



February 21, 2017

340.008.17

Mr. Gerry Stoker  
**City of Norwood**  
4645 Montgomery Road  
Norwood, Ohio 45212

**Re: Supplemental Asbestos Inspection  
Former Perry & Derrick Facility  
2511 Highland Avenue  
Cincinnati, Hamilton County, Ohio**

Dear Mr. Stoker:

SRW has prepared this report to document a supplemental asbestos inspection of the former Perry & Derrick facility. The services were provided using funding from a community-wide brownfield assessment grant for petroleum and hazardous substances awarded to the City of Norwood by the United States Environmental Protection Agency (USEPA) in 2014.

From September 28, 2015 to October 1, 2015, Ms. Laura Welsh performed a comprehensive pre-demolition inspection at the above mentioned commercial site (Site). Ms. Welsh's credentials and report are provided in Attachment 1. On the dates of December 5, 2016 to December 7, 2016, Mr. Paul Cordy returned to the Site to perform a supplemental asbestos inspection and sampling services as required to provide assistance for possible renovation activities. Mr. Cordy's credentials are provided in Attachment 2.

The supplemental asbestos inspection of the vacant buildings were conducted as a prerequisite to possible renovation activities, as required by Section 61.145 (a) of the November 20, 1990, National Emission Standards for Hazardous Air Pollutants (NESHAP); Asbestos NESHAP Revision, Final Rule issued by the Environmental Protection Agency (EPA) and Asbestos Hazard Emergency Response Act (AHERA) regulations. This inspection process includes a visual inspection, as well as, the collection and analyses of samples from suspect asbestos-containing materials (ACM).

Samples were collected utilizing sampling methods outlined in current EPA Guidance Documents. Each sample was collected and placed in a clean, sealable container and labeled with a unique sample identification number. Pertinent information was recorded on a Bulk Sample Log Sheet, including

sample identification number, date of inspection, name of inspector, building name, a brief description and location of the sample, and the type of material sampled (e.g., thermal insulation, fireproofing, acoustical plaster). The samples were submitted to an analytical laboratory and analyzed for asbestos content by polarized-light microscopy (PLM) and dispersion staining (Method Reference: EPA-600/R-93/116). This analytical method, which the EPA currently recommends for the determination of asbestos in bulk samples of suspect materials, can be used for qualitative identification of six morphologically different types of asbestos fibers: chrysotile, amosite, crocidolite, anthophyllite, tremolite, and actinolite asbestos.

The method specifies that the asbestos content in a bulk sample shall be estimated and reported as a finite percentage (rounded to the nearest percentage) within the range of 0 to 100. The result of the bulk sample analysis is reported in a standard written laboratory report. This report includes the client's name, the project number, the laboratory identification number, the sample number assigned to the bulk sample upon receipt at the laboratory, and the field number assigned to the bulk sample upon collection on site. If the bulk sample contains more than one distinct layer of material, each layer is analyzed separately. The composition of the bulk sample is reported in percentages of asbestos (i.e., chrysotile, amosite, or other) and non-asbestos (i.e., cellulose, fiberglass, or other) components. Sample results can be found on the laboratory report provided in Attachment 3 and are summarized in Table I. Building locations are depicted on the drawings provided in Attachment 4.

During the comprehensive pre-demolition inspection performed by Ms. Laura Welsh, bulk samples were collected from piping systems, spray on thermal insulation, wall systems, window systems, floor systems, thermal systems, ceiling systems, and roofing material. Ms. Welsh's findings are provided in the October 16, 2015 report provided in Attachment 1.

During the supplemental asbestos inspection performed by Mr. Paul Cordy, bulk samples were collected from the floor, wall and ceiling systems, transite stacks, duct insulation, pipe insulation, and roofing. Locations, types, quantities and other information related to the ACM are summarized in Table II of this report. Photographs are provided in Attachment 5.

Based on the test results of the comprehensive demolition inspection and the supplemental asbestos inspection, duct insulation, pipe insulation, certain window glazing, transite stacks, certain roofing





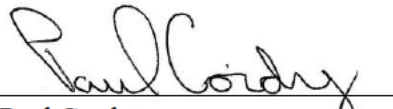
materials, certain flooring materials, and certain interior joint compound with associated drywall are required to be abated prior to any demolition or renovation activities that may affect these materials.

Every effort was made to locate suspect ACM that may be concealed; however, suspect ACM which may be located behind hard walled chases, under flooring or sub-flooring, behind building contents, etc., and were not assessed or quantified. If suspect materials are discovered through demolition or renovation activities, it is recommended that these materials be sampled to determine if ACM. If these suspect materials are not sampled, then these materials should be assumed as ACM.

This report is prepared to assist the City of Norwood, construction managers and asbestos abatement contractors in locating ACM that will be affected by demolition or renovation activities. This report is not intended as a bidding document or project specifications.

Please do not hesitate to contact us at (513) 576-0009 if you have any questions regarding the content of this report.

Sincerely,  
**SRW ENVIRONMENTAL SERVICES, INC.**



Paul Cordy  
Asbestos Hazard Evaluation Specialist, OH #ES34509

**Asbestos Inspectors:**



Brian Keplinger, on behalf of SRW  
Asbestos Hazard Evaluation Specialist, OH #ES35983

**Technical Reviewer:**

Attachments



## **TABLES**

*Table I – Bulk Sample Data Summary*

*Table II – Asbestos Inventory*



**TABLE I**  
**BULK SAMPLE DATA SUMMARY**  
**FORMER PERRY & DERRICK FACILITY**  
**2511 HIGHLAND AVENUE, CINCINNATI, HAMILTON COUNTY, OHIO**

SAMPLE DESCRIPTION		SAMPLE LOCATION			HOMOGENEOUS AREA #	SAMPLE ID	LAYER	ASBESTOS CONTENT	FRIABLE/ NONFRIABLE
(Material Type)	(Color)	Building	Floor #	Location					
Wire Insulation	Black	H	2	East Room	1A	HW-1	1	None Detected	NonFriable
Wire Insulation	Black	H	2	East Room	1A	HW-2	1	None Detected	NonFriable
Floor Felt	Black	H	2	Main Room	2A	HF-1	1	None Detected	NonFriable
Floor Felt	Black	H	2	Main Room	2A	HF-2	1	None Detected	NonFriable
Duct Insulation	Black	H		Side Entry	3A	HDI-1	1	None Detected	Friable
Inside Metal Duct (Black)	Black	H		Duct Laying in Back	3A	HDI-2	1	None Detected	Friable
Inside Metal Duct (Black)	Black	H		Duct Laying in Back	3A	HDI-3	1	None Detected	Friable
Duct Vibration Gasket	Tan, Beige	H	2	Duct by Stairwell	4A	HVG-1	1	None Detected	NonFriable
Duct Vibration Gasket	Tan, Beige	H	2	Duct by Stairwell	4A	HVG-2	1	None Detected	NonFriable
Carpet Mastec	Yellow, Tan	H	2	Entry, Front	5A	HCM-1	1	None Detected	NonFriable
Carpet Mastec	Yellow, Tan	H	2	Entry, Front	5A	HCM-2	1	None Detected	NonFriable
Stairwell Tread	Brown	H		Stairwell from 1st to 2nd Floor	6A	HSTM-1	1	Chrysotile	NonFriable
Stairwell Tread	Brown	H		Stairwell from 1st to 2nd Floor	6A	HSTM-2	1	Sample Not Analyzed	NonFriable
Floor Tile	Black	H	2	Back Room, Right Side	9A	HBRNFT-1	1	Chrysotile	NonFriable
Mastic	Black	H	2	Back Room, Right Side	9A	HBRNFT-1	1	None Detected	NonFriable
Felt Paper	Brown	H	2	Back Room, Right Side	9A	HBRNFT-1	2	None Detected	NonFriable
Floor Tile	Black	H	2	Back Room, Right Side	9A	HBRNFT-2	1	Sample Not Analyzed	NonFriable
Mastic	Black	H	2	Back Room, Right Side	9A	HBRNFT-2	1	None Detected	NonFriable
Felt Paper	Brown	H	2	Back Room, Right Side	9A	HBRNFT-2	2	None Detected	NonFriable
Flooring	Brown	H	2	Back Room, Right Side	9A	HBRNFT-2	1	None Detected	NonFriable
Puck Mastec Under Wall Tile	Tan	H	2	Guard Office	10A	HPM-1	1	None Detected	NonFriable
Puck Mastec Under Wall Tile	Tan	H	2	Guard Office	10A	HPM-2	1	None Detected	NonFriable
Ceiling Tile, Hole Pattern	Tan	H	2	Room Closest to Entry	11A	HCT-1	1	None Detected	Friable
Ceiling Tile, Hole Pattern	Tan	H	2	Room Closest to Entry	11A	HCT-2	1	None Detected	Friable
Cove Base	Gray	H	1	Front	12A	HCB-1	1	None Detected	NonFriable
Mastic	Beige	H	1	Front	12A	HCB-1	1	None Detected	NonFriable
Cove Base	Gray	H	1	Room by Men's	12A	HCB-2	1	None Detected	NonFriable
Mastic	Beige	H	1	Room by Men's	12A	HCB-2	1	None Detected	NonFriable
Insulation	OffWhite	H		Women's Restroom	13A	HI-1	1	Chrysotile	Friable
Insulation	OffWhite	H		Boiler Room	13A	HI-2	1	Sample Not Analyzed	Friable
Insulation	OffWhite	H		Hallway	13A	HI-3	1	Sample Not Analyzed	Friable
Floor Tile	Gray	K	3	Room by Lab	14A	3KFT-1	1	None Detected	NonFriable
Mastic	Tan	K	3	Room by Lab	14A	3KFT-1	1	None Detected	NonFriable
Floor Tile	Gray	K	3	Room by Lab	14A	3KFT-2	1	None Detected	NonFriable
Mastic	Tan	K	3	Room by Lab	14A	3KFT-2	1	None Detected	NonFriable
Floor Tile	Brown	K	Basement	Near Garage Door Entry	15A	KBFT-1	1	None Detected	NonFriable
Mastic	Clear	K	Basement	Near Garage Door Entry	15A	KBFT-1	1	None Detected	NonFriable
Floor Tile	Beige	K	Basement	Near Garage Door Entry	15A	KBFT-1	1	None Detected	NonFriable

**TABLE I**  
**BULK SAMPLE DATA SUMMARY**  
**FORMER PERRY & DERRICK FACILITY**  
**2511 HIGHLAND AVENUE, CINCINNATI, HAMILTON COUNTY, OHIO**

SAMPLE DESCRIPTION		SAMPLE LOCATION			HOMOGENEOUS AREA #	SAMPLE ID	LAYER	ASBESTOS CONTENT	FRIABLE/ NONFRIABLE
(Material Type)	(Color)	Building	Floor #	Location					
Mastic	Black	K	Basement	Near Garage Door Entry	15A	KBFT-1	1	None Detected	NonFriable
Floor Tile	Brown	K	Basement	Near Garage Door Entry	15A	KBFT-2	1	None Detected	NonFriable
Mastic	Clear	K	Basement	Near Garage Door Entry	15A	KBFT-2	1	None Detected	NonFriable
Floor Tile	Beige	K	Basement	Near Garage Door Entry	15A	KBFT-2	1	None Detected	NonFriable
Mastic	Black	K	Basement	Near Garage Door Entry	15A	KBFT-2	1	None Detected	NonFriable
Ceiling Tile	White	K	Basement	Near Garage Door Entry	16A	KCT-1	1	None Detected	Friable
Ceiling Tile	White	K	Basement	Near Garage Door Entry	16A	KCT-2	1	None Detected	Friable
Window Glazing	Gray, Brown	A&B		Window by Dock	17A	AWG-1	1	None Detected	Friable
Window Glazing	Gray, Brown	A&B		Window in B	17A	AWG-2	1	None Detected	Friable
Transite	Gray	A&B		Stack in B	18A	AT-1	1	Chrysotile Crocidolite	NonFriable
Transite	Gray	A&B		Stack In A	18A	AT-2	1	Sample Not Analyzed	NonFriable
Drywall	White, Beige	B		Office	19A	BD-1	1	None Detected	Friable
Drywall	White	B		Office	19A	BD-2	1	None Detected	Friable
Joint Compound	OffWhite	B		Office	19A	BD-2	2	None Detected	Friable
Cove Base	Black	B		Office	20A	BCB-1	1	None Detected	NonFriable
Mastic	Tan	B		Office	20A	BCB-1	1	None Detected	NonFriable
Cove Base	Black	B		Office	20A	BCB-2	1	None Detected	NonFriable
Mastic	Tan	B		Office	20A	BCB-2	1	None Detected	NonFriable
Floor Tile	OffWhite	B		Office	21A	BFT-1	1	None Detected	NonFriable
Mastic	Black	B		Office	21A	BFT-1	1	None Detected	NonFriable
Floor Tile	OffWhite	B		Office	21A	BFT-2	1	None Detected	NonFriable
Mastic	Black	B		Office	21A	BFT-2	1	None Detected	NonFriable
Elevator/Rope Gasket	Black/Tan	C	Roof	Elevator on Roof of C	22A	EG-1	1	None Detected	NonFriable
Elevator/Rope Gasket	Black/Tan	C	Roof	Elevator on Roof of C	22A	EG-2	1	None Detected	NonFriable
Duct Insulation	White	K	1	Electric Room	23A	KED-1	1	Chrysotile	Friable
Duct Insulation	White	K	2	Electric Room	23A	KED-2	1	Sample Not Analyzed	Friable
Duct Insulation	White	K	3	Electric Room	23A	KED-3	1	Sample Not Analyzed	Friable
Duct Insulation	White	G		Outside of Bldg G by Connector	24A	ODI-1	1	Chrysotile	Friable
Duct Insulation	White	G		Outside of Bldg G by Connector	24A	ODI-2	1	Sample Not Analyzed	Friable
Duct Insulation	White	G		Outside of Bldg G by Connector	24A	ODI-3	1	Sample Not Analyzed	Friable
Window Glazing	Red	C	Roof	Window on Roof	25A	CAG-1	1	None Detected	Friable
Window Glazing	Red	C	Roof	Window on Roof	25A	CAG-2	1	None Detected	Friable
Floor Material	Gray	C	Basement	Near Stairs	26A	CFM-1	1	None Detected	NonFriable
Floor Material	Gray	C	Basement	Near Stairs	26A	CFM-2	1	None Detected	NonFriable
Roof Material	Black	B	Roof	Center	28A	BR-1	1	Chrysotile	NonFriable

**TABLE I**  
**BULK SAMPLE DATA SUMMARY**  
**FORMER PERRY & DERRICK FACILITY**  
**2511 HIGHLAND AVENUE, CINCINNATI, HAMILTON COUNTY, OHIO**

SAMPLE DESCRIPTION		SAMPLE LOCATION			HOMOGENEOUS AREA #	SAMPLE ID	LAYER	ASBESTOS CONTENT	FRIABLE/ NONFRIABLE
(Material Type)	(Color)	Building	Floor #	Location					
Roof Material	Black	B	Roof	South East	28A	BR-2	1	Sample Not Analyzed	NonFriable
Roof Material	Black	C	Roof	Center	29A	CR-1	1	None Detected	NonFriable
Roof Material	Black	C	Roof	Center	29A	CR-1	2	Chrysotile	NonFriable
Roof Material	Black	C	Roof	End	29A	CR-2	1	Sample Not Analyzed	NonFriable
Roof Material	Black	D	Roof	Center	30A	DR-1	1	None Detected	NonFriable
Roof Material	Black	D	Roof	East End	30A	DR-2	1	None Detected	NonFriable
Roof Material	Black	E	Roof	Near Wall	31A	ER-1	1	None Detected	NonFriable
Roof Material	Black	E	Roof	Near Wall	31A	ER-1	2	Chrysotile	NonFriable
Roof Material	Black	E	Roof	Center	31A	ER-2	1	Sample Not Analyzed	NonFriable
Roof Material	Black	F	Roof	Center	32A	FR-1	1	None Detected	NonFriable
Roof Material	Black	F	Roof	Near Wall	32A	FR-2	1	None Detected	NonFriable
Roof Material	Black	G	Roof	Near Bldg F Wall	33A	GR-1	1	None Detected	NonFriable
Roof Material	Black	G	Roof	Near Bldg F Wall	33A	GR-1	2	Chrysotile	NonFriable
Roof Material	Black	G	Roof	center	33A	GR-2	1	Sample Not Analyzed	NonFriable
Roof Material	Silver	I	Roof	West Side	34A	IR-1	1	None Detected	NonFriable
Roof Material	Black	I	Roof	West Side	34A	IR-1	2	None Detected	NonFriable
Roof Material	Silver	I	Roof	East Side	34A	IR-2	1	None Detected	NonFriable
Roof Material	Black	I	Roof	East Side	34A	IR-2	2	None Detected	NonFriable
Wall Material	Black	C	Roof	East Wall	35A	CRA-1	1	None Detected	NonFriable
Wall Material	Black	C	Roof	West Wall	35A	CRA-2	1	None Detected	NonFriable
Roof Material	Black	D	Roof	North Side	36A	DR1A	1	None Detected	NonFriable
Roof Material	Black	D	Roof	South Side	36A	DR2A	1	None Detected	NonFriable
Roof Flashing Material	Gray	D		Outside Bldg Roof Flash	37A	DRF-1A	1	Chrysotile	NonFriable
Roof Flashing Material	Black	D		Outside Bldg Roof Flash	37A	DRF-1A	2	None Detected	NonFriable
Roof Flashing Material	Gray	D		Outside Bldg Roof Flash	37A	DRF-2A	1	Sample Not Analyzed	NonFriable
Roof Shingles	Gray	E		Outbuilding on Bldg E	38A	ER-1A	1	Chrysotile	NonFriable
Roof Shingles	Black	E		Outbuilding on Bldg E	38A	ER-1A	2	None Detected	NonFriable
Roof Shingles	Gray	E		Outbuilding on Bldg E	38A	ER-2A	1	Sample Not Analyzed	NonFriable
Roof Material	Black	K		Center	39A	KR-1	1	None Detected	NonFriable
Roof Material	Black	K		Near Storage Room	39A	KR-2	1	None Detected	NonFriable
Roof Material	Black	K	Roof	Small Roof Near Stack	39A	KR-3	1	None Detected	NonFriable
Roof Material	Black	K	Roof	Small Roof Near Stack	39A	KR-4	1	None Detected	NonFriable
Roof Flashing Material	Silver	K	Roof	Flashing on Roof	40A	KRF-1	1	Chrysotile	NonFriable
Roof Flashing Material	Black	K	Roof	Flashing on Roof	40A	KRF-1	2	None Detected	NonFriable
Roof Flashing Material	Silver	K	Roof	Flashing on Roof	40A	KRF-2	1	Sample Not Analyzed	NonFriable
Roof Material	Black	K		Connecting Roof b/w Bldgs	41A	KRA-1	1	None Detected	NonFriable
Roof Material	Black	K		Connecting Roof b/w Bldgs	41A	KRA-1	2	Chrysotile	NonFriable
Roof Material	Black	K		Connecting Roof b/w Bldgs	41A	KRA-2	1	None Detected	NonFriable



**TABLE I**  
**BULK SAMPLE DATA SUMMARY**  
**FORMER PERRY & DERRICK FACILITY**  
**2511 HIGHLAND AVENUE, CINCINNATI, HAMILTON COUNTY, OHIO**

SAMPLE DESCRIPTION		SAMPLE LOCATION			HOMOGENEOUS AREA #	SAMPLE ID	LAYER	ASBESTOS CONTENT	FRIABLE/ NONFRIABLE
(Material Type)	(Color)	Building	Floor #	Location					
Roof Flashing Material	OffWhite, Black	K	Roof	Roof Connector	42A	KRF-A1	1	None Detected	NonFriable
Roof Flashing Material	OffWhite, Black	K	Roof	Roof Connector	42A	KFR-A2	1	None Detected	NonFriable
Insulation Jacket	Beige, Tan	E		Near Cat Walk	43A	EI-1	1	Chrysotile	Friable
Insulation Jacket	Beige, Tan	E		Near Cat Walk	43A	EI-2	1	Sample Not Analyzed	Friable
Insulation Jacket	Beige, Tan	E		Near Cat Walk	43A	EI-3	1	Sample Not Analyzed	Friable
Drywall	OffWhite	H	2	Room Back Side Facing Bldg K	7A	HD-1	1	None Detected	Friable
Joint Compound	Beige, Tan	H	2	Room Back Side Facing Bldg K	7A	HD-1	2	Chrysotile	Friable
Drywall	OffWhite	H	2	Room Back Side Facing Bldg K	7A	HD-2	1	Sample Not Analyzed	Friable
Drywall	OffWhite	H	1	Front Left Side of Room	7A	HD-3	1	Sample Not Analyzed	Friable
Drywall	OffWhite	H	1	Front Left Side of Room	7A	HD-4	1	Sample Not Analyzed	Friable
Roof Material	Black	A	Roof	Near East Wall	27A	AR-1	1	None Detected	NonFriable
Roof Material	Black	A	Roof	Near South East	27A	AR-2	1	None Detected	NonFriable
Pipe Elbow	OffWhite	H		Basement Area Hallway	44A	HE-1	1	Chrysotile	Friable

See Attachment 4 for Building Locations

**TABLE II**  
**ASBESTOS INVENTORY**  
**FORMER PERRY & DERRICK FACILITY**  
**2511 HIGHLAND AVENUE, CINCINNATI, HAMILTON COUNTY, OHIO**

SAMPLE DESCRIPTION		SAMPLE			HOMOGENEOUS AREA #	SAMPLE ID	%	ASBESTOS CONTENT	FRIABLE/ NONFRIABLE	TYPE ACM	QUANTITY (APPROXIMATE)
(Material Type)	(Color)	Building	Floor #	Location							
Stairwell Tread	Brown	H		Stairwell from 1st to 2nd Floor	6A	HSTM-1 & HSTM-2	2	Chrysotile	NonFriable	CAT I	30 SF
Floor Tile	Black	H	2	Back Room, Right Side	9A	HBRNFT-1 & HBRNFT-2	3	Chrysotile	NonFriable	CAT I	150 SF
Insulation	OffWhite	H		Women's Restroom, Boiler Room, Hallway	13A	HI-1 through HI-3	65	Chrysotile	Friable	RACM	260 LF
Transite	Gray	A&B		Stacks in A & B	18A	AT-1 & AT-2	10 5	Chrysotile Crocidolite	NonFriable	CAT I	4 Stacks (2' Stacks)
Duct Insulation	White	K	1, 2, 3	Electric Room	23A	KED-1 through KED-3	65	Chrysotile	Friable	RACM	100 SF
Duct Insulation	White	G		Outside of Bldg G by Connector	24A	ODI-1 through ODI-3	65	Chrysotile	Friable	RACM	30 SF
Roof Material	Black	B	Roof	Center, South East	28A	BR-1 & BR-2	15	Chrysotile	NonFriable	CAT I	4,818 SF
Roof Material	Black	C	Roof	Center	29A	CR-1 & CR-2	5	Chrysotile	NonFriable	CAT I	6,287 SF
Roof Material	Black	E	Roof	Near Wall, Center	31A	ER-1 & ER-2	15	Chrysotile	NonFriable	CAT I	5,739 SF
Roof Material	Black	G	Roof	Near Bldg F Wall	33A	GR-1 & GR-2	5	Chrysotile	NonFriable	CAT I	8,250 SF
Roof Flashing Material	Gray, Black	D		Outside Bldg Roof Flash	37A	DRF-1A & DRF-2A	10	Chrysotile	NonFriable	CAT I	75 SF
Roof Shingles	Gray, Black	E		Outbuilding on Bldg E	38A	ER-1A & ER-2A	10	Chrysotile	NonFriable	CAT I	100 SF
Roof Flashing Material	Silver,	K	Roof	Flashing on Roof	40A	KRF-1 & KRF-2	2	Chrysotile	NonFriable	CAT I	800 SF
Roof Material	Black	K		Connecting Roof b/w Bldgs	41A	KRA-1 & KRA-2	10	Chrysotile	NonFriable	CAT I	800 SF
Insulation Jacket	Beige, Tan	E		Near Cat Walk of building F	43A	EI-1 through EI-3	2	Chrysotile	Friable	RACM	160 LF
Joint Compound with associated Drywall	OffWhite	H	2	basement front right side room	7A	HD-1 & HD-2	2	Chrysotile	Friable	RACM	400 SF
Drywall	OffWhite	H	1	security guard room Back Side Facing Bldg K	7A	HD-3 & HD-4	Sample Not Analyzed		Friable	RACM	450 SF
Pipe Elbow	OffWhite	H		basement area hallway	44A	HE-1	35	Chrysotile	Friable	RACM	20 elbows
Elevator Brakes		Throughout Property			Not Sampled, Assumed				NonFriable	CAT I	7 Elevators
Roof Material		H, J, L		Roof	Not Sampled, Assumed				NonFriable	CAT I	4,782 SF

See Attachment 4 for Building Locations  
SF: Square Feet  
LF: Linear Feet

## **ATTACHMENTS**

*Attachment 1 – October 16, 2015 Asbestos Inspection Report*

*Attachment 2 – Inspectors' Certification*

*Attachment 3 – Asbestos Laboratory Results*

*Attachment 4 – Building Location Drawings*

*Attachment 5 – Photographs*



# **ATTACHMENT 1**

## ***October 16, 2015 Asbestos Inspection Report***





October 16, 2015

Project No. 340.008.17

Gerry Stoker  
**City of Norwood**  
4645 Montgomery Road  
Norwood, Ohio 45212

**Re: Comprehensive Pre-Demolition Asbestos Inspection  
and Lead-based Paint Sampling  
Former Perry & Derrick  
2511 Highland Avenue  
Norwood, Hamilton County, OH 45212**

Dear Mr. Stoker:

SRW Environmental Services, Inc. conducted an asbestos and lead-based paint (LBP) survey and hazardous materials assessment of the vacant Perry and Derrick building located at 2511 Highland Avenue in Norwood, Hamilton County, Ohio. The survey was conducted from September 28, 2015 to October 1<sup>st</sup> 2015 by Laura Welsh, an Ohio Department of Health Certified Asbestos Hazard Evaluation Specialist. The inspectors Certification documentation is included as Attachment 1.

The comprehensive asbestos inspection of this vacant industrial building was conducted as a prerequisite to demolition, as required by 40 Code of Federal Regulations (CFR) Section 61.145 (a) of the November 20, 1990, National Emission Standards for Hazardous Air Pollutants (NESHAP); Asbestos NESHAP Revision, Final Rule issued by the Environmental Protection Agency and in accordance with the sampling protocols outlined in EPA regulation 40 CFR 763 Subpart E762.86 – Asbestos Hazard Emergency Response Act (AHERA) regulations.

This inspection process includes a visual inspection, as well as, the collection and analyses of samples from suspect asbestos-containing materials (ACM). Samples were not collected from NESHAP Category I materials unless they are damaged or in poor condition. All NESHAP Category I materials should be assumed as asbestos-containing unless sampling and analysis has been performed. The NESHAP Category I materials, if assumed to be asbestos-containing, may



be left in-place during demolition as long as these materials are not compacted with tracked equipment and are not rendered friable.

During the survey, the samples were collected utilizing sampling methods outlined in current EPA Guidance Documents. Each sample was collected and placed in a clean, sealable container and labeled with a unique sample identification number. Pertinent information was recorded on a Bulk Sample Log Sheet, including sample identification number, date of inspection, name of inspector, building name, a brief description and location of the sample, and the type of material sampled (e.g., thermal insulation, fireproofing, acoustical plaster). The samples were submitted to an analytical laboratory and analyzed for asbestos content by polarized-light microscopy (PLM) and dispersion staining (Method Reference: EPA-600/R-93/116). This analytical method, which the EPA currently recommends for the determination of asbestos in bulk samples of suspect materials, can be used for qualitative identification of six morphologically different types of asbestos fibers: chrysotile, amosite, crocidolite, anthophyllite, tremolite, and actinolite asbestos.

The method specifies that the asbestos content in a bulk sample shall be estimated and reported as a finite percentage (rounded to the nearest percentage) within the range of 0 to 100. The result of the bulk sample analysis is reported in a standard written laboratory report. This report includes the client's name, the project number, the laboratory identification number, the sample number assigned to the bulk sample upon receipt at the laboratory, and the field number assigned to the bulk sample upon collection on site. If the bulk sample contains more than one distinct layer of material, each layer is analyzed separately. The results of the sample analyses can be found on the laboratory report provided in Attachment 2 and are summarized in Table I.

SRW collected bulk samples from piping systems, spray on thermal insulation, wall systems, window systems, floor systems, thermal systems, ceiling systems, and roofing material. Locations, types, quantities and other information related to the ACM that may be disturbed by demolition activities are summarized in Table I of this report. If any of these materials will be



affected by the demolition activities then these materials must be removed by a licensed Ohio asbestos abatement contractor. Based on the test results, pipe wrap and piping system insulation are required to be abated prior to demolition.

Prior to demolition activities, there are other environmental related items that should be addressed such as paint cans ranging from pint to 5-gallon containers, suspect PCB light ballasts, mercury bulbs, lead acid batteries, mercury thermostats, and miscellaneous containers of oil and solvent. Quantities of these items can be found in Table II of this report.

SRW made every effort to locate suspect ACM that may be concealed; however, suspect ACM which may be located behind hard walled chases, under flooring or sub-flooring, behind building contents, etc., and were not assessed or quantified. If through demolition suspect materials are discovered; they should be documented and handled accordingly.

Samples of paint were collected from several of the property buildings and submitted for laboratory analysis. The sample results can be found on the laboratory report provided in Attachment 4 and are summarized in Table III.

Eight of the 13 paint chip samples collected from the building contained lead in excess of 5,000 mg/kg by dry weight of lead (P2 – 48,000 mg/kg, P3 – 36,000 mg/kg, P4 – 15,000 mg/kg, P5 – 40,000 mg/kg, P8 – 27,000 mg/kg, P10 – 150,000 mg/kg, P11 – 38,000 mg/kg, and P13-100,000 mg/kg.) Laboratory analytical results indicated that samples P10 and P11 could have a possible matrix interference, some other component that is contributing to the elevated results. Paint having in excess of 5,000 mg/kg by dry weight of lead is considered, by definition, lead-based paint. The remaining five samples are not considered lead-based paint as results range from less than 63 mg/kg to 3,500 mg/kg, below the definition of lead-based paint.

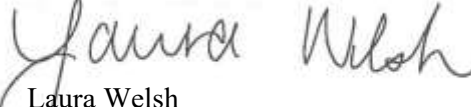


Gerry Stoker  
**City of Norwood**  
October 16, 2015  
Page 2

This report is prepared to assist the City of Norwood construction managers and asbestos and lead abatement contractors in locating ACM and lead paint that will be affected by demolition activities. This report is not intended as a bidding document or project specifications.

Please do not hesitate to contact me at (513) 576-0009 or [LWelsh@srwenvironmental.com](mailto:LWelsh@srwenvironmental.com) if you have any questions regarding the content of this report.

Sincerely,  
**SRW ENVIRONMENTAL SERVICES, INC.**

  
Laura Welsh  
Project Geologist

Attachments



## **TABLES**

*Table I – Bulk Sample Data Summary*

*Table II – Environmental Inventory*

*Table III – Lead Sample Locations and Results*



**TABLE I**  
**BULK SAMPLE DATA SUMMARY**  
**FORMER PERRY & DERRICK FACILITY**

SAMPLE DESCRIPTION (Material Type)	SAMPLE LOCATION	HOMO AREA #	SAMPLE ID	ASBESTOS CONTENT	FRIABLE/ NONFRIABLE
The following samples were collected from the vacant Perry & Derrick buildings located at 2511 Highland Avenue, Norwood, Ohio.					
Could not access to collect samples Sliding Fire Doors		1	HA-1	No Samples collected	Nonfriable
Silver/White/Black Insulation (Piping System)	Building G First Floor	2	HA-2A	None Detected	Friable
White Fibrous Material (Piping System - 324 Linear Feet)	Building J Second Floor	2	HA-2B	80% Chrysotile	Friable
White Fibrous Material (Piping System)	Building K First Floor	2	HA-2C	80% Chrysotile	Friable
Mudded fittings (Piping System)	Building J Second Floor	3	HA-3A	40% Chrysotile	Friable
Mudded fittings (Piping System)	Building J Second Floor	3	HA-3B	Sample not analyzed	
White Wrap (Piping System - 610 Linear Feet)	Building G First Floor	4	HA-4A	50% Chrysotile	Friable
Black/Gray wrap - layer 1 (Piping System)	Building E First Floor	4	HA-4B	None Detected	Friable
White/gray wrap - layer 2 (Piping System)	Building E First Floor	4	HA-4B	25% Chrysotile	Friable
White wrap (Piping System)	Building C First Floor	4	HA-4C	70% Chrysotile	Friable
Mudded fittings (Piping System)	Building G First Floor	5	HA-5A	50% Chrysotile	Friable
Silver/White pipe wrap (Piping System - 605 Linear Feet)	Building G First Floor	6	HA-6A	60% Chrysotile	Friable
Silver/White pipe wrap (Piping System)	Building E First Floor	6	HA-6B	None Detected	Friable
White fibrous pipe wrap (Piping System)	Building C Second Floor	6	HA-6C	80% Chrysotile	Friable
Mudded fittings (Piping System)	Building G First Floor	7	HA-7A	60% Chrysotile	Friable
Mudded fittings (Piping System)	Building E First Floor	7	HA-7B	60% Chrysotile	Friable
White/Tan pipe wrap - layer 1 (Piping System - 1,061 Linear Feet)	Building E First Floor	8	HA-8A	40% Chrysotile	Friable
Gray fibrous pipe wrap - layer 2 (Piping System)	Building E First Floor	8	HA-8A	*1.1% Chrysotile	Friable
White/Black pipe wrap - layer 1 (Piping System)	Building E First Floor	8	HA-8B	None Detected	Friable



**TABLE I**  
**BULK SAMPLE DATA SUMMARY**  
**FORMER PERRY & DERRICK FACILITY**

SAMPLE DESCRIPTION (Material Type)	SAMPLE LOCATION	HOMO AREA #	SAMPLE ID	ASBESTOS CONTENT	FRIABLE/ NONFRIABLE
<b>The following samples were collected from the vacant Perry &amp; Derrick buildings located at 2511 Highland Avenue, Norwood, Ohio.</b>					
Gray fibrous pipe wrap -layer 2 (Piping System)	Building E First Floor	8	HA-8B	None Detected	Friable
White/Black pipe wrap - layer 1 (Piping System)	Building E First Floor	8	HA-8C	None Detected	Friable
Gray fibrous pipe wrap (Piping System)	Building E First Floor	8	HA-8C	None Detected	Friable
White fibrous pipe wrap (Piping System - 708 Linear Feet)	Building E First Floor	9	HA-9A	60% Chrysotile	Friable
White fibrous pipe wrap (Piping System)	Building C	9	HA-9B	80% Chrysotile	Friable
White fibrous pipe wrap (Piping System)	Building C	9	HA-9C	80% Chrysotile	Friable
Mudded fittings (Piping System)	Building E First Floor	10	HA-10A	80% Chrysotile	Friable
Mudded fittings (Piping System)	Building K First Floor	10	HA-10B	50% Chrysotile	Friable
White/Off-White pipe wrap (Piping System - 46 Linear Feet)	Building E First Floor	11	HA-11A	60% Chrysotile	Friable
White fibrous pipe wrap (Piping System)	Building E First Floor	11	HA-11B	60% Chrysotile	Friable
White fibrous pipe wrap (Piping System)	Building K First Floor	11	HA-11C	80% Chrysotile	Friable
<b>No access to Sample</b>		12		No Samples	
Gray/Brown Fibrous (Thermal Insulation)	Building E First Floor	13	HA-13A	None Detected	Friable
Brown Fibrous Material (Spray-on Thermal Insulation)	Building E First Floor	13	HA-13B	None Detected	Friable
Brown Fibrous Material (Spray-on Thermal Insulation)	Building E First Floor	13	HA-13C	None Detected	Friable
Brown Fibrous Material (Spray-on Thermal Insulation)	Building E First Floor	13	HA-13D	None Detected	Friable
Brown Fibrous (Spray-on Thermal Insulation)	Building E (powder room)	13	HA-13E	None Detected	Friable
Gray Plaster (Wall System )	Building E (stairwell)	14	HA-14A	None Detected	Nonfriable
Gray Plaster (Wall System)	Building C Second Floor Stairwell	14	HA-14B	None Detected	Nonfriable
Gray Plaster (Wall System)	Building C First Floor Stairwell	14	HA-14C	None Detected	Nonfriable
Gray Plaster (Wall System)	Building C Second Floor Stairwell	14	HA-14D	None Detected	Nonfriable
Gray Plaster (Wall System)	Building C First Floor Stairwell	14	HA-14E	None Detected	Nonfriable
Off-White Glazing (Window System - 94 square feet)	Building E Second Floor	15	HA-15A	*0.75% Chrysotile	Friable

**TABLE I**  
**BULK SAMPLE DATA SUMMARY**  
**FORMER PERRY & DERRICK FACILITY**

SAMPLE DESCRIPTION (Material Type)	SAMPLE LOCATION	HOMO AREA #	SAMPLE ID	ASBESTOS CONTENT	FRIABLE/ NONFRIABLE
<b>The following samples were collected from the vacant Perry &amp; Derrick buildings located at 2511 Highland Avenue, Norwood, Ohio.</b>					
Tan Glazing (Window pane)	Building E First Floor	15	HA-15B	Trace Chrysotile	Friable
Off-White Glazing - layer 1 (Window System)	Building D First Floor	15	HA-15C	*0.5% Chrysotile	Friable
Black Fibrous - layer 2 (Window System)	Building D First Floor	15	HA-15C	None Detected	Friable
Tan Glazing - layer 1 (Window System)	Building D Second Floor	15	HA-15D	*1.0% Chrysotile	Friable
Gray Mastic (Window System)	Building D Second Floor	15	HA-15D	None Detected	Friable
Light Blue Glazing - layer 1 (Window System)	Building D Second Floor	15	HA-15E	Trace Chrysotile	Friable
Black Tar - layer 2 (Window System)	Building D Second Floor	15	HA-15E	None Detected	Friable
Off-White Glazing (Window System - 55 square feet)	Building E Second Floor	16	HA-16A	*0.5% Chrysotile	Friable
White Insulation (Piping System 400 Linear Feet)	Building E Second Floor	17	HA-17A	60% Chrysotile	Friable
White Insulation (Piping System)	Building A First Floor	17	HA-17B	60% Chrysotile	Friable
White Insulation (Piping System)	Exterior Between Bldg E and K - 2nd floor	17	HA-17C	60% Chrysotile	Friable
Tan Glazing (Window System 570 square feet)	Building G Second Floor	18	HA-18A	None Detected	Friable
Off-White Glazing (Window pane)	Building G Second Floor	18	HA-18B	*0.5% Chrysotile	Friable
Off-White Glazing (Window pane)	Building G Second Floor	18	HA-18C	*0.75% Chrysotile	Friable
White Insulation (Piping System - 18 Linear Feet)	Building G Second Floor	19	HA-19A	60% Chrysotile	Friable
White Insulation/Wrap (Piping System)	Building E Second Floor	19	HA-19B	70% Chrysotile	Friable
White Insulation (Piping System)	Building E Second Floor	19	HA-19C	60% Chrysotile	Friable
Off-White Wrap (Piping System)	Building E Second Floor	20	HA-20A	None Detected	Nonfriable
Off-White Wrap (Piping System)	Building E Second Floor	20	HA-20B	None Detected	Nonfriable
Tan Woven Fibers - layer 1 (Piping System)	Building G Second Floor	20	HA-20C	None Detected	Nonfriable
White Insulation - layer 2 (Piping System - 18 Linear Feet)	Building G Second Floor	20	HA-20C	60% Chrysotile	Nonfriable
Tan/Gray Glazing (Window pane)	Building C Second Floor	21	HA-21A	None Detected	Friable
Off-White Glazing (Window pane - 272 square feet)	Building C Second Floor	21	HA-21B	*0.5% Chrysotile	Friable
Tan Glazing (Window pane)	Building K Third Floor	21	HA-21C	*0.5% Chrysotile	Friable

**TABLE I**  
**BULK SAMPLE DATA SUMMARY**  
**FORMER PERRY & DERRICK FACILITY**

SAMPLE DESCRIPTION (Material Type)	SAMPLE LOCATION	HOMO AREA #	SAMPLE ID	ASBESTOS CONTENT	FRIABLE/ NONFRIABLE
<b>The following samples were collected from the vacant Perry &amp; Derrick buildings located at 2511 Highland Avenue, Norwood, Ohio.</b>					
White Insulation/Mudded Fittings (Piping System)	Building C First Floor	22	HA-22A	60% Chrysotile	Friable
White Insulation (Piping System)	Building C First Floor	22	HA-22B	60% Chrysotile	Friable
Off White Wrap (Exterior Vent - 150 square feet)	Building K Exterior Third Floor	23	HA-23A	70% Chrysotile	Friable
Off-White Wrap (Exterior Vent)	Building K Exterior Third Floor	23	HA-23B	70% Chrysotile	Friable
Off-White Wrap (Exterior Vent)	Building K Exterior Third Floor	23	HA-23C	70% Chrysotile	Friable
White Joint Compound - layer 1 (Wallboard System - 4,407 square feet)	Building K Stairwell	24	HA-24A	*2.4% Chrysotile	Nonfriable
White Woven Fibers (Wallboard System)	Building K Stairwell	24	HA-24A	None Detected	Nonfriable
Light Tan Sheetrock - layer 1 (Wallboard System)	Building K Stairwell	24	HA-24B	None Detected	Nonfriable
White Joint Compound - layer 2 (Wallboard System)	Building K Stairwell	24	HA-24B	None Detected	Nonfriable
Light Tan Sheetrock - layer 1 (Wallboard System)	Building K Third Floor	24	HA-24C	None Detected	Nonfriable
Off-White Paint- layer 2 (Wallboard System)	Building K Third Floor	24	HA-24C	None Detected	Nonfriable
Light Tan Sheetrock - layer 1 (Wallboard System)	Building K Third Floor	24	HA-24D	None Detected	Nonfriable
Blue Paint - layer 2 (Wallboard System)	Building K Third Floor	24	HA-24D	None Detected	Nonfriable
Light Tan Sheetrock (Wallboard System)	Building K Third Floor	24	HA-24E	None Detected	Nonfriable
Light Tan Sheetrock - layer 1 (Wallboard System)	Building K Third Floor	24	HA-24FD	None Detected	Nonfriable
White Paint - layer 2 (Wallboard System)	Building K Third Floor	24	HA-24FD	None Detected	Nonfriable
Gray Insulation (Thermal backing - 35 square feet)	Building K Third Floor	25	HA-25A	40% Chrysotile	Nonfriable
Light Tan Floor Tile (9x9) - layer 1 (Flooring System)	Building K Third Floor	26	HA-26A	None Detected	Friable
Tan Mastic - layer 2 (Flooring System - 145 square feet)	Building K Third Floor	26	HA-26A	*0.25% Chrysotile	Friable
Gray Floor Tile (9X9) - layer 1 (Flooring System)	Building K Third Floor	26	HA-26FD	None Detected	Friable
Tan Mastic - layer 2 (Flooring System)	Building K Third Floor	26	HA-26FD	*0.25% Chrysotile	Friable
Gray Glazing (Window pane)	Building C First Floor	27	HA-27A	Trace Chrysotile	Friable
White Insulation (Piping System - 156 Linear Feet)	Building G First Floor	28	HA-28A	60% Chrysotile	Friable
White Insulation (Piping System)	Building G First Floor	28	HA-28B	55% Chrysotile	Friable

**TABLE I**  
**BULK SAMPLE DATA SUMMARY**  
**FORMER PERRY & DERRICK FACILITY**

SAMPLE DESCRIPTION (Material Type)	SAMPLE LOCATION	HOMO AREA #	SAMPLE ID	ASBESTOS CONTENT	FRIABLE/ NONFRIABLE
The following samples were collected from the vacant Perry & Derrick buildings located at 2511 Highland Avenue, Norwood, Ohio.					
White Insulation (Piping System)	Building G First Floor	28	HA-28C	65% Chrysotile	Friable
Mudded Fittings - layer 1 (Piping System)	Building G First Floor	29	HA-29A	Trace Chrysotile	Friable
Off White Wrap - layer 2 (Piping System)	Building G First Floor	29	HA-29A	None Detected	Friable
Black Insulation (Piping System)	Building D First Floor	30	HA-30A	None Detected	Friable
Brown Insulation (Piping System)	Building D First Floor	30	HA-30B	None Detected	Friable
Black Insulation (Piping System - 36 Linear Feet)	Building D First Floor	30	HA-30C	15% Chrysotile	Friable
Painted over concrete		31		No Samples collected	
Tan Insulation (Piping System - 15 Linear Feet)	Building J First Floor	32	HA-32A	*2.1% Chrysotile	Friable
Tan Insulation (Piping System)	Building J First Floor	32	HA-32B	*1.8% Chrysotile	Friable
Tan Insulation (Piping System)	Building J First Floor	32	HA-32C	*8.7% Chrysotile	Friable
White Insulation (Piping System - 51 Linear Feet)	Building J Second Floor	33	HA-33A	40% Chrysotile	Friable
White Insulation (Piping System)	Building K First Floor	33	HA-33B	40% Chrysotile	Friable
White Insulation (Piping System)	Building K First Floor	33	HA-33C	40% Chrysotile	Friable
Metal		34		No Samples	
White Insulation (Piping System - 18 Linear Feet)	Building K First Floor	35	HA-35A	45% Chrysotile	Friable
White Insulation (Piping System)	Building K First Floor	35	HA-35B	45% Chrysotile	Friable
White Insulation (Piping System)	Building K First Floor	35	HA-35C	45% Chrysotile	Friable
Mudded Fittings (Piping System)	Building K First Floor	36	HA-36A	60% Chrysotile	Friable
Tan/Gray Floor Tile (12x12) - layer 1 (Flooring System)	Building K First Floor	37	HA-37A	None Detected	Nonfriable
Light Tan Floor Tile - layer 2 (Flooring System)	Building K First Floor	37	HA-37A	None Detected	Nonfriable
Tan Mastic - layer 3 (Flooring System)	Building K First Floor	37	HA-37A	None Detected	Nonfriable
Tan/Gray Floor Tile (12x12) - layer 1 (Flooring System)	Building K First Floor	37	HA-37FD	None Detected	Nonfriable
Light Tan Floor Tile - layer 2 (Flooring System)	Building K First Floor	37	HA-37FD	None Detected	Nonfriable
Tan Mastic - layer 3 (Flooring System)	Building K First Floor	37	HA-37FD	None Detected	Nonfriable

**TABLE I**  
**BULK SAMPLE DATA SUMMARY**  
**FORMER PERRY & DERRICK FACILITY**

SAMPLE DESCRIPTION (Material Type)	SAMPLE LOCATION	HOMO AREA #	SAMPLE ID	ASBESTOS CONTENT	FRIABLE/ NONFRIABLE
The following samples were collected from the vacant Perry & Derrick buildings located at 2511 Highland Avenue, Norwood, Ohio.					
Tan Ceiling Tile (2x4) (Ceiling System)	Building K First Floor	38	HA-38A	None Detected	Friable
Gray Wall Plaster (Wall System)	Building H Exterior	39	HA-39A	None Detected	Nonfriable
Dark Gray Plaster - layer 1 (Wall System)	Building H Exterior	39	HA-39B	None Detected	Nonfriable
Off-White Plaster - layer 2 (Wall System)	Building H Exterior	39	HA-39B	None Detected	Nonfriable
Dark Gray Plaster - layer 1 (Wall System)	Building H Exterior	39	HA-39C	None Detected	Nonfriable
Off-White Plaster - layer 2 (Wall System)	Building H Exterior	39	HA-39C	None Detected	Nonfriable
Dark Gray Plaster - layer 1 (Wall System)	Building H Exterior	39	HA-39D	None Detected	Nonfriable
Off-White Plaster - layer 2 (Wall System)	Building H Exterior	39	HA-39D	None Detected	Nonfriable
Black Tar - layer 3 (Wall System - 2,340 square feet)	Building H Exterior	39	HA-39D	10% Chrysotile	Nonfriable
Dark Gray Plaster - layer 1 (Wall System)	Building H Exterior	39	HA-39E	None Detected	Nonfriable
Off-White Plaster - layer 2 (Wall System)	Building H Exterior	39	HA-39E	None Detected	Nonfriable
Off-White Glazing (window pane - 41.5 square feet)	Building H First Floor	40	HA-40A	*1.7% Chrysotile	Friable
Tan Glazing (window pane)	Building H First Floor	40	HA-40B	None Detected	Friable
Black Mastic (miscellaneous)	Building H First Floor	41	HA-41A	None Detected	Nonfriable
Black Mastic (miscellaneous)	Building H First Floor	41	HA-41B	None Detected	Nonfriable
Black Mastic (miscellaneous)	Building H Second Floor	41	HA-41C	Trace Chrysotile	Nonfriable
Black Mastic (miscellaneous)	Building H Second Floor	41	HA-41D	None Detected	Nonfriable
Black Mastic (miscellaneous)	Building H Second Floor	41	HA-41E	None Detected	Nonfriable
Black Mastic (miscellaneous)	Building H Second Floor	41	HA-41FD	None Detected	Nonfriable
Gray Plaster - layer 1 (Ceiling System)	Building H First Floor	42	HA-42A	None Detected	Nonfriable
Off-White Plaster - layer 2 (Ceiling System)	Building H First Floor	42	HA-42A	None Detected	Nonfriable
Gray Plaster - layer 1 (Ceiling System)	Building H First Floor	42	HA-42B	None Detected	Nonfriable
Off-White Plaster - layer 2 (Ceiling System)	Building H First Floor	42	HA-42B	None Detected	Nonfriable
Gray Plaster - layer 1 (Ceiling System)	Building H First Floor	42	HA-42C	None Detected	Nonfriable



**TABLE I**  
**BULK SAMPLE DATA SUMMARY**  
**FORMER PERRY & DERRICK FACILITY**

SAMPLE DESCRIPTION (Material Type)	SAMPLE LOCATION	HOMO AREA #	SAMPLE ID	ASBESTOS CONTENT	FRIABLE/ NONFRIABLE
The following samples were collected from the vacant Perry & Derrick buildings located at 2511 Highland Avenue, Norwood, Ohio.					
Off-White Plaster - layer 2 (Ceiling System)	Building H First Floor	42	HA-42C	None Detected	Nonfriable
Gray Plaster - layer 1 (Ceiling System)	Building H First Floor	42	HA-42D	None Detected	Nonfriable
Off-White Plaster - layer 2 (Ceiling System)	Building H First Floor	42	HA-42D	None Detected	Nonfriable
Gray Plaster (Ceiling System)	Building H First Floor	42	HA-42E	None Detected	Nonfriable
White Wall Plaster (Wall System)	Building H First Floor	43	HA-43A	None Detected	Nonfriable
Gray Plaster - layer 1 (Wall System)	Building H First Floor	43	HA-43B	None Detected	Nonfriable
White Plaster - layer 2 (Wall System)	Building H First Floor	43	HA-43B	None Detected	Nonfriable
Gray Plaster - layer 1 (Wall System)	Building H Second Floor	43	HA-43C	None Detected	Nonfriable
White Plaster - layer 2 (Wall System)	Building H Second Floor	43	HA-43C	None Detected	Nonfriable
Off-White Plaster (Wall System)	Building H Second Floor	43	HA-43D	None Detected	Nonfriable
Gray Plaster (Wall System)	Building H Second Floor	43	HA-43E	None Detected	Nonfriable
White Plaster (Wall System)	Building H First Floor	43	HA-43F	None Detected	Nonfriable
Tan Plaster - layer 1 (Wall System)	Building H Second Floor	43	HA-43G	None Detected	Nonfriable
White Plaster - layer 2 (Wall System)	Building H Second Floor	43	HA-43G	None Detected	Nonfriable
Off-White Ceiling Tile (2x2) (Ceiling System)	Building H First Floor	44	HA-44A	None Detected	Nonfriable
Off-White Ceiling Tile (2x2) (Ceiling System)	Building H First Floor	44	HA-44FD	None Detected	Nonfriable
Green Floor Tile (9x9) (Flooring System - 150 square feet)	Building H First Floor	45	HA-45A	*2.1% Chrysotile	Nonfriable
Green Floor Tile (9x9) - layer 1 (Flooring System)	Building H First Floor	45	HA-45FD	*1.9% Chrysotile	Nonfriable
Black Mastic - layer 2 (Flooring System)	Building H First Floor	45	HA-45FD	None Detected	Nonfriable
Off-White/Red Ceiling Tile (2x4) (Ceiling System)	Building H Second Floor	46	HA-46A	None Detected	Nonfriable
Off-White/Red Ceiling Tile (2x4) (Ceiling System)	Building H Second Floor	46	HA-46B	None Detected	Nonfriable
Off-White/Red Ceiling Tile (2x4) (Ceiling System)	Building H Second Floor	46	HA-46C	None Detected	Nonfriable
Brown Mastic - layer 1 (Flooring System)	Building H Second Floor	47	HA-47A	None Detected	Nonfriable
Gray Paper - layer 2 (Flooring System)	Building H Second Floor	47	HA-47A	None Detected	Nonfriable

**TABLE I**  
**BULK SAMPLE DATA SUMMARY**  
**FORMER PERRY & DERRICK FACILITY**

SAMPLE DESCRIPTION (Material Type)	SAMPLE LOCATION	HOMO AREA #	SAMPLE ID	ASBESTOS CONTENT	FRIABLE/ NONFRIABLE
The following samples were collected from the vacant Perry & Derrick buildings located at 2511 Highland Avenue, Norwood, Ohio.					
Brown Floor Tile (9x9) - layer 3 (Flooring System)	Building H Second Floor	47	HA-47A	None Detected	Nonfriable
Gray Floor Tile - layer 4 (Flooring System - 57 square feet)	Building H Second Floor	47	HA-47A	*2.6% Chrysotile	Nonfriable
Tan Mastic (Flooring System)	Building H Second Floor	47	HA-47A	Trace Chrysotile	Nonfriable
White/Tan Floor Tile (9x9) - layer 1 (Flooring System)	Building H Second Floor	47	HA-47FD	*1.8% Chrysotile	Nonfriable
Brown Mastic - layer 2 (Flooring System)	Building H Second Floor	47	HA-47FD	*2.1% Chrysotile	Nonfriable
Brown Vinyl Sheet Flooring - layer 3 (Flooring System)	Building H Second Floor	47	HA-47FD	None Detected	Nonfriable
Black Mastic - layer 4 (Flooring System)	Building H Second Floor	47	HA-47FD	None Detected	Nonfriable
Black Floor Material (9x9) - layer 1 (Flooring System)	Building H Second Floor	48	HA-48A	None Detected	Nonfriable
Brown Mastic - layer 2 (Flooring System)	Building H Second Floor	48	HA-48A	None Detected	Nonfriable
Red/Brown Mastic - layer 3 (Flooring System)	Building H Second Floor	48	HA-48A	None Detected	Nonfriable
Gray Paper - layer 4 (Flooring System)	Building H Second Floor	48	HA-48A	None Detected	Nonfriable
Red Floor Tile (9x9) - layer 1 (Flooring System)	Building H Second Floor	49	HA-49A	None Detected	Nonfriable
Brown Mastic - layer 2 (Flooring System - 152 square feet)	Building H Second Floor	49	HA-49A	*1.8% Chrysotile	Nonfriable
Black Floor Material - layer 3 (Flooring System)	Building H Second Floor	49	HA-49A	None Detected	Nonfriable
Red/Brown Mastic - layer 4 (Flooring System)	Building H Second Floor	49	HA-49A	None Detected	Nonfriable
Gray Paper (Flooring System)	Building H Second Floor	49	HA-49A	None Detected	Nonfriable
White/Gray Tile (1x2) (Wall System)	Building H Second Floor	50	HA-50A	None Detected	Nonfriable
Gray Tile (1x2) (Wall System)	Building H Second Floor	50	HA-50B	None Detected	Nonfriable
Tan Floor Mastic - layer 1 (Flooring System)	Building H First Floor	51	HA-51A	None Detected	Nonfriable
White/Gray Leveling Compound - level 2 (Flooring System - 316 square feet)	Building H First Floor	51	HA-51A	*3.2% Chrysotile	Nonfriable
Tan Floor Mastic - layer 1 (Flooring System)	Building H First Floor	51	HA-51FD	None Detected	Nonfriable
White/Gray Leveling Compound - level 2 (Flooring System)	Building H First Floor	51	HA-51FD	*2.6 Chrysotile	Nonfriable
Mudded Fittings/White Insulation (Piping System)	Building G Second Floor	52	HA-52A	40% Chrysotile	Friable
Gray Insulation (Piping System - 32 Linear Feet)	Exterior Between Bdg E and K	53	HA-53A	60% Chrysotile	Friable

**TABLE I**  
**BULK SAMPLE DATA SUMMARY**  
**FORMER PERRY & DERRICK FACILITY**

SAMPLE DESCRIPTION (Material Type)	SAMPLE LOCATION	HOMO AREA #	SAMPLE ID	ASBESTOS CONTENT	FRIABLE/ NONFRIABLE
The following samples were collected from the vacant Perry & Derrick buildings located at 2511 Highland Avenue, Norwood, Ohio.					
Gray Insulation (Piping System)	Exterior Between Bdg E and K	53	HA-53B	60% Chrysotile	Friable
Gray Insulation (Pipe Wrap)	Exterior Between Bdg E and K	53	HA-53C	60% Chrysotile	Friable
Black Roof Material (Roofing)	Building D Roof	54	HA-54A	None Detected	Nonfriable
Gray/Tan Glazing (window pane)	Building B Second Floor	55	HA-55A	None Detected	Friable
Gray Glazing (window pane)	Building K First Floor	56	HA-56A	None Detected	Friable
Gray/Off-White Glazing (window pane - 539 square feet)	Building K First Floor	56	HA-56B	*1.6 Chrysotile	Friable
Red Glazing (window pane)	Building K Second Floor	56	HA-56C	None Detected	Friable
White/Gray Ceiling Tile (1x1) (Ceiling System)	Building H Second Floor	57	HA-57A	None Detected	Friable

\*Quantified By PLM Point Count Method

**TABLE II**  
**ENVIRONMENTAL INVENTORY**  
**FORMER PERRY & DERRICK FACILITY**

LOCATION	MATERIAL DESCRIPTION	AMOUNT OF MATERIAL (APPROX.)
<p style="text-align: center;"><b>The following hazardous materials are located in the vacant  Perry &amp; Derrick Buildings at  2511 Highland Avenue, Norwood, Ohio.</b></p>		
Entire building	5 Gallon/Gallon and Pint size Paint Cans	18.4 gallons
Entire building	Suspect PCB light ballasts	218 ballasts
Entire building	Mercury Bulbs - 4'	356 bulbs
Entire building	Mercury Bulbs - 8'	109 Bulbs
Entire building	Mercury Bulbs - 2 Prong - 2'	6 bulbs
Entire building	Lead Acid Batteries	11 batteries
Entire building	Mercury Thermostats	5 thermostats
Entire building	Miscellaneous Chemicals/Solvents	1/3 quart solvent 1 quart motor oil 5 gallon oil container - 1/2 full

**TABLE III**  
**LEAD SAMPLE LOCATIONS AND RESULTS**  
**FORMER PERRY & DERRICK FACILITY**

SAMPLE DESCRIPTION (Material Type)	SAMPLE LOCATION	SAMPLE ID	LEAD RESULTS (mg/Kg)
The following samples were collected from the vacant Perry & Derrick Buildings at 2511 Highland Avenue in Norwood, Ohio.			
White paint chips	Building A/Second Floor	P1	190
Yellow paint chips	Building B/Second Floor	P2	48,000
Seafoam green paint chips	Building B/Door to A/ First Floor	P3	36,000
Grey paint chips	Building B/Elevator Door/First Floor	P4	15,000
Dark Green paint chips	Building B/First Floor	P5	40,000
Silver paint chips	Building B/First Floor	P6	3,500
Red paint chips	Building F/First Floor	P7	580
Light grey paint chips	Building C/Second Floor	P8	27,000
Off-white paint chips	Building E/First Floor	P9	<63
Brown paint chips	Building J/Exterior	P10	150,000***
Salmon paint chips	Building H/Exterior	P11	38,000***
Light blue paint chips	Building H/First Floor	P12	<75***
Beige paint chips	Building H/First Floor	P13	100,000

Note: Matrix/substrate interference possible.

## **ATTACHMENTS**

*Attachment 1 – Inspectors Certification*

*Attachment 2 – Asbestos Laboratory Results*

*Attachment 3 –Lead Laboratory Results*



# **ATTACHMENT 1**

## ***Inspectors Certification***





# OHIO DEPARTMENT OF HEALTH

246 North High Street  
Columbus, Ohio 43215

614/466-3543  
www.odh.ohio.gov

John R. Kasich/Governor

Richard Hodges/Director of Health

August 12, 2015

Laura E Welsh  
SRW Environmental Services, Inc  
55 West Techne Center Drive Suite C  
Milford OH 45150

RE: Asbestos Hazard Evaluation Specialist  
Certification Number: ES35627  
Expiration Date: 08/11/2016

Dear Laura E Welsh:

This letter and enclosed certification card approves your request to be certified as an Asbestos Hazard Evaluation Specialist. You must present your card upon request at any project site while performing duties. Copies of cards are not acceptable as proof of certification.

This certification may be revoked by the Director of Health for violation of any of the requirements of 3701-34 of the Ohio Administrative Code.

If you have any questions, please call Kathy Butcher, Licensure Specialist, at 614-644-0226.

Sincerely,

Bill Robbins, Section Chief  
Bureau of Licensure Operations  
Office of Health Assurance and Licensing





## **ATTACHMENT 2**

### ***Asbestos Laboratory Results***



# CERTIFICATE OF ANALYSIS

**Client:** SRW Environmental Services, Inc.  
320 South Wayne Avenue  
Cincinnati OH 45215

**Report Date:** 10/13/2015  
**Report No:** 375890  
**Project:** Perry And Derrick  
**Project No.:** 340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 5758914	<b>Description / Location:</b> White/Silver/Black Wrap
<b>Client No.:</b> HA-2A	Corrugated Pipe, 1"
<u>% Asbestos</u>	<u>Type</u>
None Detected	None Detected
<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
10	Synthetic
50	Cellulose
<u>% Non-Fibrous Material</u>	
	40

<b>Lab No.:</b> 5758915	<b>Description / Location:</b> White Fibrous
<b>Client No.:</b> HA-2B	Corrugated Pipe, 1"
<u>% Asbestos</u>	<u>Type</u>
80	Chrysotile
<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected
<u>% Non-Fibrous Material</u>	
	20

<b>Lab No.:</b> 5758916	<b>Description / Location:</b> White Fibrous
<b>Client No.:</b> HA-2C	Corrugated Pipe, 1"
<u>% Asbestos</u>	<u>Type</u>
80	Chrysotile
<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected
<u>% Non-Fibrous Material</u>	
	20

<b>Lab No.:</b> 5758917	<b>Description / Location:</b> White Fibrous
<b>Client No.:</b> HA-3A	Mudded Fittings, On 1" Corrugated
<u>% Asbestos</u>	<u>Type</u>
40	Chrysotile
<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
10	Synthetic
<u>% Non-Fibrous Material</u>	
	50

**Accreditation**

**NIST-NVLAP No. 101165-0**

**NY-DOH No. 11021**

**AIHA-LAP, LLC No. 100188**

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**Analytical Method:**

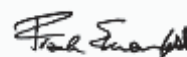
US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198 1 where applicable)

**Comments:**

Quantification at <0.25% by volume is possible with this method (PC) Indicates Stratified Point Count Method performed (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen Analysis includes all distinct separable layers in accordance with EPA 600 Method If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex analyze until positive instructions) Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing

**Analysis Performed By:** R. McQuiggan

**Approved By:**



**Date:** 10/13/2015

Frank E. Ehrenfeld, III  
Laboratory Director

# CERTIFICATE OF ANALYSIS

<b>Client:</b>	SRW Environmental Services, Inc.	<b>Report Date:</b>	10/13/2015
	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758918	<b>Description / Location:</b>	Sample Not Analyzed	
<b>Client No.:</b>	HA-3B			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

Note: Insufficient material provided for analysis

<b>Lab No.:</b>	5758919	<b>Description / Location:</b>	White Wrap	
<b>Client No.:</b>	HA-4A		Corrugated Pipe, 2"	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
50	Chrysotile	20	Synthetic	30

<b>Lab No.:</b>	5758920	<b>Description / Location:</b>	Black/Grey Wrap	
<b>Client No.:</b>	HA-4B		Corrugated Pipe, 2"	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	80	Cellulose	20

<b>Lab No.:</b>	5758920	<b>Description / Location:</b>	White/Grey Wrap	<b>Layer No.:</b> 2
<b>Client No.:</b>	HA-4B		Corrugated Pipe, 2"	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
25	Chrysotile	20	Cellulose	55

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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**Analysis Performed By:** R. McQuiggan

**Date:** 10/13/2015

# CERTIFICATE OF ANALYSIS

**Client:** SRW Environmental Services, Inc.  
320 South Wayne Avenue  
Cincinnati OH 45215

**Report Date:** 10/13/2015  
**Report No:** 375890  
**Project:** Perry And Derrick  
**Project No.:** 340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 5758921	<b>Description / Location:</b> White Fibrous
<b>Client No.:</b> HA-4C	Corrugated Pipe, 2"
<u>% Asbestos</u>	<u>Type</u>
70	Chrysotile
<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected
	<u>% Non-Fibrous Material</u>
	30

<b>Lab No.:</b> 5758922	<b>Description / Location:</b> White Fibrous
<b>Client No.:</b> HA-5A	Mudded Fittings, 2" Corrugated
<u>% Asbestos</u>	<u>Type</u>
50	Chrysotile
<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected
	<u>% Non-Fibrous Material</u>
	50

<b>Lab No.:</b> 5758923	<b>Description / Location:</b> Silver/White Wrap
<b>Client No.:</b> HA-6A	Corrugated Pipe, 4"
<u>% Asbestos</u>	<u>Type</u>
60	Chrysotile
<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
10	Synthetic
	<u>% Non-Fibrous Material</u>
	30

<b>Lab No.:</b> 5758924	<b>Description / Location:</b> Silver/White Wrap
<b>Client No.:</b> HA-6B	Corrugated Pipe, 4"
<u>% Asbestos</u>	<u>Type</u>
None Detected	None Detected
<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
60	Synthetic
	<u>% Non-Fibrous Material</u>
	40

**Accreditation**      **NIST-NVLAP No. 101165-0**      **NY-DOH No. 11021**      **AIHA-LAP, LLC No. 100188**

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**Analysis Performed By:** R. McQuiggan

**Date:** 10/13/2015

## CERTIFICATE OF ANALYSIS

<b>Client:</b>	SRW Environmental Services, Inc.	<b>Report Date:</b>	10/13/2015
	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

### BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758925	<b>Description / Location:</b>	White Fibrous	
<b>Client No.:</b>	HA-6C		Corrugated Pipe, 4"	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
80	Chrysotile	None Detected	None Detected	20

<b>Lab No.:</b>	5758926	<b>Description / Location:</b>	White Fibrous	
<b>Client No.:</b>	HA-7A		Mudded Fittings, 4" Corrugated	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
60	Chrysotile	5	Synthetic	35

<b>Lab No.:</b>	5758927	<b>Description / Location:</b>	White Fibrous	
<b>Client No.:</b>	HA-7B		Mudded Fittings, 4" Corrugated	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
60	Chrysotile	None Detected	None Detected	40

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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**Analysis Performed By:** R. McQuiggan

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	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758928	<b>Description / Location:</b>	White/Tan Wrap
<b>Client No.:</b>	HA-8A		2" Pipe
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
40	Chrysotile	None Detected	None Detected

<b>Lab No.:</b>	5758928	<b>Description / Location:</b>	Grey Fibrous	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-8A		2" Pipe		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
PC 1 1	Chrysotile	94	Cellulose	PC 4 9	

<b>Lab No.:</b>	5758929	<b>Description / Location:</b>	White/Black Wrap
<b>Client No.:</b>	HA-8B		2" Pipe
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	60	Cellulose

<b>Lab No.:</b>	5758929	<b>Description / Location:</b>	Grey Fibrous	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-8B		2" Pipe		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	95	Cellulose	5	

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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**Analysis Performed By:** R. McQuiggan

**Date:** 10/13/2015

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<b>Client:</b>	SRW Environmental Services, Inc.	<b>Report Date:</b>	10/13/2015
	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758930	<b>Description / Location:</b>	White/Black Wrap
<b>Client No.:</b>	HA-8C		2" Pipe
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	60	Cellulose

<b>Lab No.:</b>	5758930	<b>Description / Location:</b>	Grey Fibrous	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-8C		2" Pipe		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	95	Cellulose	5	

<b>Lab No.:</b>	5758931	<b>Description / Location:</b>	White Fibrous
<b>Client No.:</b>	HA-9A		3" Pipe
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
60	Chrysotile	5	Synthetic

<b>Lab No.:</b>	5758932	<b>Description / Location:</b>	White Fibrous
<b>Client No.:</b>	HA-9B		3" Pipe
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
80	Chrysotile	None Detected	None Detected

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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**Analysis Performed By:** R. McQuiggan

**Date:** 10/13/2015

# CERTIFICATE OF ANALYSIS

<b>Client:</b>	SRW Environmental Services, Inc.	<b>Report Date:</b>	10/13/2015
	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758933	<b>Description / Location:</b>	White Fibrous
<b>Client No.:</b>	HA-9C		3" Pipe
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
80	Chrysotile	None Detected	None Detected
			20

<b>Lab No.:</b>	5758934	<b>Description / Location:</b>	White Fibrous
<b>Client No.:</b>	HA-10A		Mudded Fittings, 3" Corrugated
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
60	Chrysotile	None Detected	None Detected
			40

<b>Lab No.:</b>	5758935	<b>Description / Location:</b>	White Fibrous
<b>Client No.:</b>	HA-10B		Mudded Fittings, 3" Corrugated
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
50	Chrysotile	5	Synthetic
			45

<b>Lab No.:</b>	5758936	<b>Description / Location:</b>	White/Off-White Fibrous
<b>Client No.:</b>	HA-11A		Corrugated Pipe, 6"
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
60	Chrysotile	None Detected	None Detected
			40

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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<b>Analytical Method:</b>	US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198 1 where applicable)
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**Analysis Performed By:** R. McQuiggan

**Date:** 10/13/2015



# CERTIFICATE OF ANALYSIS

<b>Client:</b>	SRW Environmental Services, Inc.	<b>Report Date:</b>	10/13/2015
	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758937	<b>Description / Location:</b>	White Fibrous
<b>Client No.:</b>	HA-11B		Corrugated Pipe, 6"
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
60	Chrysotile	20	Synthetic
			20

<b>Lab No.:</b>	5758938	<b>Description / Location:</b>	White Fibrous
<b>Client No.:</b>	HA-11C		Corrugated Pipe, 6"
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
80	Chrysotile	None Detected	None Detected
			20

<b>Lab No.:</b>	5758939	<b>Description / Location:</b>	Grey/Brown Fibrous
<b>Client No.:</b>	HA-13A		Spray-On Thermal
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	90	Cellulose
			10

<b>Lab No.:</b>	5758940	<b>Description / Location:</b>	Brown Fibrous
<b>Client No.:</b>	HA-13B		Spray-On Thermal
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	90	Cellulose
			10

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758941	<b>Description / Location:</b>	Brown Fibrous
<b>Client No.:</b>	HA-13C		Spray-On Thermal
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	90	Cellulose
			10

<b>Lab No.:</b>	5758942	<b>Description / Location:</b>	Brown Fibrous
<b>Client No.:</b>	HA-13D		Spray-On Thermal
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	90	Cellulose
			10

<b>Lab No.:</b>	5758943	<b>Description / Location:</b>	Brown Fibrous
<b>Client No.:</b>	HA-13E		Spray-On Thermal
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	90	Cellulose
			10

<b>Lab No.:</b>	5758944	<b>Description / Location:</b>	Grey Plaster
<b>Client No.:</b>	HA-14A		Walls, Metal Mesh
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	Trace	Cellulose
		Trace	Hair
			100

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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**Date:** 10/13/2015

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	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758945	<b>Description / Location:</b>	Grey Plaster
<b>Client No.:</b>	HA-14B		Walls, Metal Mesh
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	Trace	Cellulose
		Trace	Hair
			100

<b>Lab No.:</b>	5758946	<b>Description / Location:</b>	Grey Plaster
<b>Client No.:</b>	HA-14C		Walls, Metal Mesh
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	Trace	Hair
			100

<b>Lab No.:</b>	5758947	<b>Description / Location:</b>	Grey Plaster
<b>Client No.:</b>	HA-14D		Walls, Metal Mesh
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	Trace	Hair
			100

<b>Lab No.:</b>	5758948	<b>Description / Location:</b>	Grey Plaster
<b>Client No.:</b>	HA-14E		Walls, Metal Mesh
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	Trace	Cellulose
		Trace	Hair
			100

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758949	<b>Description / Location:</b>	Off-White Glazing
<b>Client No.:</b>	HA-15A		1" Bead Window
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC 0 75	Chrysotile	None Detected	None Detected
			PC 99 25

<b>Lab No.:</b>	5758950	<b>Description / Location:</b>	Tan Glazing
<b>Client No.:</b>	HA-15B		1" Bead Window
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC Trace	Chrysotile	Trace	Fibrous Glass
			100

<b>Lab No.:</b>	5758951	<b>Description / Location:</b>	Off-White Glazing
<b>Client No.:</b>	HA-15C		1" Bead Window
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC 0 5	Chrysotile	None Detected	None Detected
			PC 99 5

<b>Lab No.:</b>	5758951	<b>Description / Location:</b>	Black Fibrous	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-15C		1" Bead Window		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	10	Cellulose	90	

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**Analysis Performed By:** M. Stewart

**Date:** 10/13/2015

# CERTIFICATE OF ANALYSIS

9000 Commerce Parkway, Ste B  
Mount Laurel, NJ 08054  
Toll Free 877-428-4285  
Local: 856-231-9449  
Fax: 856-231-9818

<b>Client:</b>	SRW Environmental Services, Inc.	<b>Report Date:</b>	10/13/2015
	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758952	<b>Description / Location:</b>	Tan Glazing	
<b>Client No.:</b>	HA-15D		1" Bead Window	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1 0	Chrysotile	None Detected	None Detected	99

<b>Lab No.:</b>	5758952	<b>Description / Location:</b>	Grey Mastic	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-15D		1" Bead Window		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	Trace	Cellulose	100	
		Trace	Fibrous Glass		

<b>Lab No.:</b>	5758953	<b>Description / Location:</b>	Lt.Blue Glazing	
<b>Client No.:</b>	HA-15E		1" Bead Window	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC Trace	Chrysotile	Trace	Cellulose	100
		Trace	Other	

<b>Lab No.:</b>	5758953	<b>Description / Location:</b>	Black Tar	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-15E		1" Bead Window		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	5	Cellulose	95	

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		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758954	<b>Description / Location:</b>	Off-White Glazing
<b>Client No.:</b>	HA-16A		1.5" Bead Window
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC 0.5	Chrysotile	Trace	Cellulose
			PC 99.5

<b>Lab No.:</b>	5758955	<b>Description / Location:</b>	White Insulation
<b>Client No.:</b>	HA-17A		Mag Block Pipe, 2"
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
60	Chrysotile	None Detected	None Detected
			40

<b>Lab No.:</b>	5758956	<b>Description / Location:</b>	White Insulation
<b>Client No.:</b>	HA-17B		Mag Block Pipe, 2"
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
60	Chrysotile	None Detected	None Detected
			40

<b>Lab No.:</b>	5758957	<b>Description / Location:</b>	White Insulation
<b>Client No.:</b>	HA-17C		Mag Block Pipe, 2"
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
60	Chrysotile	None Detected	None Detected
			40

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758958	<b>Description / Location:</b>	Tan Glazing	
<b>Client No.:</b>	HA-18A		1.5" Bead Window	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b>	5758959	<b>Description / Location:</b>	Off-White Glazing	
<b>Client No.:</b>	HA-18B		1.5" Bead Window	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 0 5	Chrysotile	None Detected	None Detected	PC 99 5

<b>Lab No.:</b>	5758960	<b>Description / Location:</b>	Off-White Glazing	
<b>Client No.:</b>	HA-18C		1.5" Bead Window	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 0 75	Chrysotile	None Detected	None Detected	PC 99 25

<b>Lab No.:</b>	5758961	<b>Description / Location:</b>	White Insulation	
<b>Client No.:</b>	HA-19A		Mag Block Pipe, 6"	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
60	Chrysotile	None Detected	None Detected	40

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	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758962	<b>Description / Location:</b>	White Insulation/Wrap	
<b>Client No.:</b>	HA-19B		Mag Block Pipe, 6"	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
70	Chrysotile	None Detected	None Detected	30

<b>Lab No.:</b>	5758963	<b>Description / Location:</b>	White Insulation	
<b>Client No.:</b>	HA-19C		Mag Block Pipe, 6"	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
60	Chrysotile	None Detected	None Detected	40

<b>Lab No.:</b>	5758964	<b>Description / Location:</b>	Off-White Wrap	
<b>Client No.:</b>	HA-20A		6" Mag Block Pipe	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	80	Fibrous Glass	20

<b>Lab No.:</b>	5758965	<b>Description / Location:</b>	Off-White Wrap	
<b>Client No.:</b>	HA-20B		6" Mag Block Pipe	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	80	Fibrous Glass	20

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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<b>Analytical Method:</b>	US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198 1 where applicable)
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**Analysis Performed By:** M. Stewart

**Date:** 10/13/2015



# CERTIFICATE OF ANALYSIS

<b>Client:</b>	SRW Environmental Services, Inc.	<b>Report Date:</b>	10/13/2015
	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758966	<b>Description / Location:</b>	Tan Woven Fibers	
<b>Client No.:</b>	HA-20C		6" Mag Block Pipe	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	95	Cellulose	5

<b>Lab No.:</b>	5758966	<b>Description / Location:</b>	White Insulation	<b>Layer No.:</b> 2
<b>Client No.:</b>	HA-20C		6" Mag Block Pipe	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
60	Chrysotile	None Detected	None Detected	40

<b>Lab No.:</b>	5758967	<b>Description / Location:</b>	Tan/Grey Glazing	
<b>Client No.:</b>	HA-21A		0.5" Bead Window	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	Trace	Hair	100

<b>Lab No.:</b>	5758968	<b>Description / Location:</b>	Off-White Glazing	
<b>Client No.:</b>	HA-21B		0.5" Bead Window	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 0 5	Chrysotile	Trace	Cellulose	PC 99 5
		Trace	Hair	

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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**Analysis Performed By:** M. Stewart

**Date:** 10/13/2015

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	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758969	<b>Description / Location:</b>	Tan Glazing	
<b>Client No.:</b>	HA-21C		0.5" Bead Window	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 0 5	Chrysotile	None Detected	None Detected	PC 99 5

<b>Lab No.:</b>	5758970	<b>Description / Location:</b>	White Insulation	
<b>Client No.:</b>	HA-22A		Mudded Fittings, 2" Mag Block	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
60	Chrysotile	None Detected	None Detected	40

<b>Lab No.:</b>	5758971	<b>Description / Location:</b>	White Insulation	
<b>Client No.:</b>	HA-22B		Mudded Fittings, 2" Mag Block	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
60	Chrysotile	None Detected	None Detected	40

<b>Lab No.:</b>	5758972	<b>Description / Location:</b>	Off-White Wrap	
<b>Client No.:</b>	HA-23A		Corrugated, Exterior Vent	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
70	Chrysotile	10	Cellulose	20

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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**Analysis Performed By:** M. Stewart

**Date:** 10/13/2015

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	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758973	<b>Description / Location:</b>	Off-White Wrap
<b>Client No.:</b>	HA-23B		Corrugated, Exterior Vent
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
70	Chrysotile	10	Cellulose
			20

<b>Lab No.:</b>	5758974	<b>Description / Location:</b>	Off-White Wrap
<b>Client No.:</b>	HA-23C		Corrugated, Exterior Vent
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
70	Chrysotile	10	Cellulose
			20

<b>Lab No.:</b>	5758975	<b>Description / Location:</b>	White Joint Compound
<b>Client No.:</b>	HA-24A		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC 2 4	Chrysotile	None Detected	None Detected
			PC 97 6

<b>Lab No.:</b>	5758975	<b>Description / Location:</b>	White Woven Fibers	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-24A				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	95	Fibrous Glass	5	

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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**Analysis Performed By:** M. Stewart

**Date:** 10/13/2015

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	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758976	<b>Description / Location:</b>	Lt.Tan Sheetrock	
<b>Client No.:</b>	HA-24B			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Cellulose	90

<b>Lab No.:</b>	5758976	<b>Description / Location:</b>	White Joint Compound		<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-24B					
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>		
None Detected	None Detected	None Detected	None Detected	100		

<b>Lab No.:</b>	5758977	<b>Description / Location:</b>	Lt.Tan Sheetrock	
<b>Client No.:</b>	HA-24C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Cellulose	80

<b>Lab No.:</b>	5758977	<b>Description / Location:</b>	Off-White Paint		<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-24C					
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>		
None Detected	None Detected	None Detected	None Detected	100		

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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**Analysis Performed By:** E. Smith

**Date:** 10/13/2015



9000 Commerce Parkway, Ste B  
Mount Laurel, NJ 08054  
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Local: 856-231-9449  
Fax: 856-231-9818

## CERTIFICATE OF ANALYSIS

**Client:** SRW Environmental Services, Inc.  
320 South Wayne Avenue  
Cincinnati OH 45215

**Report Date:** 10/13/2015  
**Report No:** 375890  
**Project:** Perry And Derrick  
**Project No.:** 340.008.17

### BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 5758978 **Description / Location:** Lt.Tan Sheetrock  
**Client No.:** HA-24D

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Cellulose	80

**Lab No.:** 5758978 **Description / Location:** Blue Paint **Layer No.:** 2  
**Client No.:** HA-24D

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

**Lab No.:** 5758979 **Description / Location:** Lt.Tan Sheetrock  
**Client No.:** HA-24E

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	15	Cellulose	85

#### Accreditation

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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**Analysis Performed By:** E. Smith

**Date:** 10/13/2015

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	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758980	<b>Description / Location:</b>	Lt.Tan Sheetrock	
<b>Client No.:</b>	HA-24FD			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Cellulose	80

<b>Lab No.:</b>	5758980	<b>Description / Location:</b>	White Paint	<b>Layer No.:</b> 2
<b>Client No.:</b>	HA-24FD			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b>	5758981	<b>Description / Location:</b>	Grey Insulation	
<b>Client No.:</b>	HA-25A		Thermal Backing, Electric Box	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
40	Chrysotile	40	Cellulose	20

### Accreditation

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**NY-DOH No. 11021**

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	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758982	<b>Description / Location:</b>	Lt.Tan Floor Tile; 9x9	
<b>Client No.:</b>	HA-26A			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b>	5758982	<b>Description / Location:</b>	Tan Mastic	<b>Layer No.:</b> 2
<b>Client No.:</b>	HA-26A			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 0 25	Chrysotile	None Detected	None Detected	PC 99 75

<b>Lab No.:</b>	5758983	<b>Description / Location:</b>	Grey Floor Tile; 9x9	
<b>Client No.:</b>	HA-26FD			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b>	5758983	<b>Description / Location:</b>	Tan Mastic	<b>Layer No.:</b> 2
<b>Client No.:</b>	HA-26FD			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 0 25	Chrysotile	None Detected	None Detected	PC 99 75

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758984	<b>Description / Location:</b>	Grey Glazing
<b>Client No.:</b>	HA-27A		1" Bead Window
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC Trace	Chrysotile	None Detected	None Detected
			100

<b>Lab No.:</b>	5758985	<b>Description / Location:</b>	White Insulation
<b>Client No.:</b>	HA-28A		Mag Block Pipe, 4"
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
60	Chrysotile	None Detected	None Detected
			40

<b>Lab No.:</b>	5758986	<b>Description / Location:</b>	White Insulation
<b>Client No.:</b>	HA-28B		Mag Block Pipe, 4"
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
55	Chrysotile	None Detected	None Detected
			45

<b>Lab No.:</b>	5758987	<b>Description / Location:</b>	White Insulation
<b>Client No.:</b>	HA-28C		Mag Block Pipe, 4"
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
65	Chrysotile	None Detected	None Detected
			35

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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**Date:** 10/13/2015



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	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758988	<b>Description / Location:</b>	Grey Insulation
<b>Client No.:</b>	HA-29A		Mudded Fittings, 4" Mag Block
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC Trace	Chrysotile	15	Fibrous Glass
			85

<b>Lab No.:</b>	5758988	<b>Description / Location:</b>	Off-White Wrap	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-29A		Mudded Fittings, 4" Mag Block		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	97	Cellulose	3	

<b>Lab No.:</b>	5758989	<b>Description / Location:</b>	Black Insulation
<b>Client No.:</b>	HA-30A		1" Pipe
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	100	Cellulose
			None Detected

<b>Lab No.:</b>	5758990	<b>Description / Location:</b>	Brown Insulation
<b>Client No.:</b>	HA-30B		1" Pipe
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	90	Cellulose
			10

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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**Analysis Performed By:** E. Smith

**Date:** 10/13/2015

# CERTIFICATE OF ANALYSIS

<b>Client:</b>	SRW Environmental Services, Inc.	<b>Report Date:</b>	10/13/2015
	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758991	<b>Description / Location:</b>	Black Insulation	
<b>Client No.:</b>	HA-30C		1" Pipe	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
15	Chrysotile	80	Cellulose	5

<b>Lab No.:</b>	5758992	<b>Description / Location:</b>	Tan Insulation	
<b>Client No.:</b>	HA-32A		1" Pipe	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2 1	Chrysotile	80	Cellulose	PC 17 9

<b>Lab No.:</b>	5758993	<b>Description / Location:</b>	Tan Insulation	
<b>Client No.:</b>	HA-32B		1" Pipe	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1 8	Chrysotile	80	Cellulose	PC 18 2

<b>Lab No.:</b>	5758994	<b>Description / Location:</b>	Tan Insulation	
<b>Client No.:</b>	HA-32C		1" Pipe	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 8 7	Chrysotile	70	Cellulose	PC 21 3

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**Analysis Performed By:** E. Smith

**Date:** 10/13/2015

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	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758995	<b>Description / Location:</b>	White Insulation
<b>Client No.:</b>	HA-33A		Corrugated Pipe, 8"
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
40	Chrysotile	40	Cellulose
			20

<b>Lab No.:</b>	5758996	<b>Description / Location:</b>	White Insulation
<b>Client No.:</b>	HA-33B		Corrugated Pipe, 8"
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
40	Chrysotile	40	Cellulose
			20

<b>Lab No.:</b>	5758997	<b>Description / Location:</b>	White Insulation
<b>Client No.:</b>	HA-33C		Corrugated Pipe, 8"
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
40	Chrysotile	40	Cellulose
			20

<b>Lab No.:</b>	5758998	<b>Description / Location:</b>	White Insulation
<b>Client No.:</b>	HA-35A		Corrugated Pipe, 1/2"
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
45	Chrysotile	45	Cellulose
			10

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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**Analysis Performed By:** E. Smith

**Date:** 10/13/2015

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<b>Client:</b>	SRW Environmental Services, Inc.	<b>Report Date:</b>	10/13/2015
	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5758999	<b>Description / Location:</b>	White Insulation
<b>Client No.:</b>	HA-35B		Corrugated Pipe, ½"
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
45	Chrysotile	45	Cellulose
			10

<b>Lab No.:</b>	5759000	<b>Description / Location:</b>	White Insulation
<b>Client No.:</b>	HA-35C		Corrugated Pipe, ½"
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
45	Chrysotile	45	Cellulose
			10

<b>Lab No.:</b>	5759001	<b>Description / Location:</b>	Grey/White Insulation
<b>Client No.:</b>	HA-36A		Mudded Fitting, ½" Corrugated
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
60	Chrysotile	25	Cellulose
			15

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**Analysis Performed By:** E. Smith

**Date:** 10/13/2015



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## CERTIFICATE OF ANALYSIS

**Client:** SRW Environmental Services, Inc.

320 South Wayne Avenue

Cincinnati OH 45215

**Report Date:** 10/13/2015

**Report No:** 375890

**Project:** Perry And Derrick

**Project No.:** 340.008.17

### BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5759002	<b>Description / Location:</b>	Tan/Grey Floor Tile; 12x12	
<b>Client No.:</b>	HA-37A			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b>	5759002	<b>Description / Location:</b>	Lt.Tan Floor Tile	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-37A				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

<b>Lab No.:</b>	5759002	<b>Description / Location:</b>	Tan Mastic	<b>Layer No.:</b>	3
<b>Client No.:</b>	HA-37A				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

#### Accreditation

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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#### Comments:

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**Analysis Performed By:** E. Smith

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	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5759003	<b>Description / Location:</b>	Tan/Grey Floor Tile; 12x12	
<b>Client No.:</b>	HA-37FD			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b>	5759003	<b>Description / Location:</b>	Lt.Tan Floor Tile	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-37FD				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

<b>Lab No.:</b>	5759003	<b>Description / Location:</b>	Tan Mastic	<b>Layer No.:</b>	3
<b>Client No.:</b>	HA-37FD				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

<b>Lab No.:</b>	5759004	<b>Description / Location:</b>	Tan Ceiling Tile; 2x4	
<b>Client No.:</b>	HA-38A			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	35	Cellulose	45
		20	Fibrous Glass	

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<b>Analytical Method:</b>	US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198 1 where applicable)
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**Analysis Performed By:** E. Smith

**Date:** 10/13/2015

# CERTIFICATE OF ANALYSIS

**Client:** SRW Environmental Services, Inc.  
320 South Wayne Avenue  
Cincinnati OH 45215

**Report Date:** 10/13/2015  
**Report No:** 375890  
**Project:** Perry And Derrick  
**Project No.:** 340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 5759005	<b>Description / Location:</b> Grey Wall Plaster			
<b>Client No.:</b> HA-39A				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b> 5759006	<b>Description / Location:</b> Dk.Grey Cementitious			
<b>Client No.:</b> HA-39B				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b> 5759006	<b>Description / Location:</b> Off-White Cementitious			<b>Layer No.:</b> 2
<b>Client No.:</b> HA-39B				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

**Accreditation**

**NIST-NVLAP No. 101165-0**

**NY-DOH No. 11021**

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**Analysis Performed By:** S. Cone

**Date:** 10/13/2015



# CERTIFICATE OF ANALYSIS

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Toll Free 877-428-4285  
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**Client:** SRW Environmental Services, Inc.  
320 South Wayne Avenue  
Cincinnati OH 45215

**Report Date:** 10/13/2015  
**Report No:** 375890  
**Project:** Perry And Derrick  
**Project No.:** 340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5759007	<b>Description / Location:</b>	Dk.Grey Cementitious	
<b>Client No.:</b>	HA-39C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b>	5759007	<b>Description / Location:</b>	Off-White Cementitious	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-39C				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

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**Report No:** 375890

**Project:** Perry And Derrick

**Project No.:** 340.008.17

### BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5759008	<b>Description / Location:</b>	Dk.Grey Cementitious	
<b>Client No.:</b>	HA-39D			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b>	5759008	<b>Description / Location:</b>	Off-White Cementitious	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-39D				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

<b>Lab No.:</b>	5759008	<b>Description / Location:</b>	Black Tar	<b>Layer No.:</b>	3
<b>Client No.:</b>	HA-39D				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
10	Chrysotile	None Detected	None Detected	90	

#### Accreditation

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	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5759009	<b>Description / Location:</b>	Dk.Grey Cementitious	
<b>Client No.:</b>	HA-39E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b>	5759009	<b>Description / Location:</b>	Off-White Cementitious	<b>Layer No.:</b> 2
<b>Client No.:</b>	HA-39E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b>	5759010	<b>Description / Location:</b>	Off-White Glazing	
<b>Client No.:</b>	HA-40A		½" Bead Window	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1 7	Chrysotile	None Detected	None Detected	PC 98 3

<b>Lab No.:</b>	5759011	<b>Description / Location:</b>	Tan Glazing	
<b>Client No.:</b>	HA-40B		½" Bead Window	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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<b>Analytical Method:</b>	US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198 1 where applicable)
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**Analysis Performed By:** S. Cone

**Date:** 10/13/2015

# CERTIFICATE OF ANALYSIS

**Client:** SRW Environmental Services, Inc.  
320 South Wayne Avenue  
Cincinnati OH 45215

**Report Date:** 10/13/2015  
**Report No:** 375890  
**Project:** Perry And Derrick  
**Project No.:** 340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 5759012	<b>Description / Location:</b> Black Mastic	
<b>Client No.:</b> HA-41A		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>
None Detected	None Detected	None Detected
		100

<b>Lab No.:</b> 5759013	<b>Description / Location:</b> Black Mastic	
<b>Client No.:</b> HA-41B		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>
None Detected	None Detected	None Detected
		100

<b>Lab No.:</b> 5759014	<b>Description / Location:</b> Black Mastic	
<b>Client No.:</b> HA-41C		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>
PC Trace	Chrysotile	None Detected
		100

<b>Lab No.:</b> 5759015	<b>Description / Location:</b> Black Mastic	
<b>Client No.:</b> HA-41D		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>
None Detected	None Detected	None Detected
		100

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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**Analysis Performed By:** S. Cone

**Date:** 10/13/2015

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<b>Client:</b>	SRW Environmental Services, Inc.	<b>Report Date:</b>	10/13/2015
	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5759016	<b>Description / Location:</b>	Black Mastic	
<b>Client No.:</b>	HA-41E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b>	5759017	<b>Description / Location:</b>	Black Mastic	
<b>Client No.:</b>	HA-41FD			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b>	5759018	<b>Description / Location:</b>	Grey Plaster	
<b>Client No.:</b>	HA-42A		Ceilings W/Metal Mesh	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	2	Cellulose	98

<b>Lab No.:</b>	5759018	<b>Description / Location:</b>	Off-White Plaster	<b>Layer No.:</b> 2
<b>Client No.:</b>	HA-42A		Ceilings W/Metal Mesh	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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**Analysis Performed By:** S. Cone

**Date:** 10/13/2015

# CERTIFICATE OF ANALYSIS

<b>Client:</b>	SRW Environmental Services, Inc.	<b>Report Date:</b>	10/13/2015
	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5759019	<b>Description / Location:</b>	Grey Plaster
<b>Client No.:</b>	HA-42B		Ceilings W/Metal Mesh
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	2	Cellulose
			98

<b>Lab No.:</b>	5759019	<b>Description / Location:</b>	Off-White Plaster	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-42B		Ceilings W/Metal Mesh		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

<b>Lab No.:</b>	5759020	<b>Description / Location:</b>	Grey Plaster
<b>Client No.:</b>	HA-42C		Ceilings W/Metal Mesh
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	2	Cellulose
			98

<b>Lab No.:</b>	5759020	<b>Description / Location:</b>	Off-White Plaster	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-42C		Ceilings W/Metal Mesh		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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<b>Analytical Method:</b>	US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198 1 where applicable)
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**Analysis Performed By:** S. Cone

**Date:** 10/13/2015

# CERTIFICATE OF ANALYSIS

<b>Client:</b>	SRW Environmental Services, Inc.	<b>Report Date:</b>	10/13/2015
	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5759021	<b>Description / Location:</b>	Grey Plaster
<b>Client No.:</b>	HA-42D		Ceilings W/Metal Mesh
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	2	Cellulose
			98

<b>Lab No.:</b>	5759021	<b>Description / Location:</b>	Off-White Plaster	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-42D		Ceilings W/Metal Mesh		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

<b>Lab No.:</b>	5759022	<b>Description / Location:</b>	Grey Plaster
<b>Client No.:</b>	HA-42E		Ceilings W/Metal Mesh
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	2	Cellulose
			98

<b>Lab No.:</b>	5759023	<b>Description / Location:</b>	White Wall Plaster
<b>Client No.:</b>	HA-43A		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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<b>Analytical Method:</b>	US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198 1 where applicable)
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**Analysis Performed By:** S. Cone

**Date:** 10/13/2015

# CERTIFICATE OF ANALYSIS

9000 Commerce Parkway, Ste B  
Mount Laurel, NJ 08054  
Toll Free 877-428-4285  
Local: 856-231-9449  
Fax: 856-231-9818

<b>Client:</b>	SRW Environmental Services, Inc.	<b>Report Date:</b>	10/13/2015
	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5759024	<b>Description / Location:</b>	Grey Plaster
<b>Client No.:</b>	HA-43B		Wall
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	2	Hair
			98

<b>Lab No.:</b>	5759024	<b>Description / Location:</b>	White Plaster	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-43B		Wall		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	2	Hair	98	

<b>Lab No.:</b>	5759025	<b>Description / Location:</b>	Grey Plaster
<b>Client No.:</b>	HA-43C		Wall
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	2	Hair
			98

<b>Lab No.:</b>	5759025	<b>Description / Location:</b>	White Plaster	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-43C		Wall		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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**Analysis Performed By:** S. Cone

**Date:** 10/13/2015

# CERTIFICATE OF ANALYSIS

**Client:** SRW Environmental Services, Inc.  
320 South Wayne Avenue  
Cincinnati OH 45215

**Report Date:** 10/13/2015  
**Report No:** 375890  
**Project:** Perry And Derrick  
**Project No.:** 340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 5759026	<b>Description / Location:</b> Off-White Plaster
<b>Client No.:</b> HA-43D	Wall
<u>% Asbestos</u>	<u>Type</u>
None Detected	None Detected
<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
2	Hair
<u>% Non-Fibrous Material</u>	
	98

<b>Lab No.:</b> 5759027	<b>Description / Location:</b> Grey Plaster
<b>Client No.:</b> HA-43E	Wall
<u>% Asbestos</u>	<u>Type</u>
None Detected	None Detected
<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
2	Hair
<u>% Non-Fibrous Material</u>	
	98

<b>Lab No.:</b> 5759028	<b>Description / Location:</b> White Plaster
<b>Client No.:</b> HA-43F	Wall
<u>% Asbestos</u>	<u>Type</u>
None Detected	None Detected
<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected
<u>% Non-Fibrous Material</u>	
	100

**Accreditation**      **NIST-NVLAP No. 101165-0**      **NY-DOH No. 11021**      **AIHA-LAP, LLC No. 100188**

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**Date:** 10/13/2015



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320 South Wayne Avenue  
Cincinnati OH 45215

**Report Date:** 10/13/2015  
**Report No:** 375890  
**Project:** Perry And Derrick  
**Project No.:** 340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 5759029	<b>Description / Location:</b> Tan Plaster
<b>Client No.:</b> HA-43G	Wall
<u>% Asbestos</u>	<u>Type</u>
None Detected	None Detected
<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
2	Cellulose
<u>% Non-Fibrous Material</u>	
	98

<b>Lab No.:</b> 5759029	<b>Description / Location:</b> White Plaster	<b>Layer No.:</b> 2
<b>Client No.:</b> HA-43G	Wall	
<u>% Asbestos</u>	<u>Type</u>	
None Detected	None Detected	
<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	
None Detected	None Detected	
<u>% Non-Fibrous Material</u>		
		100

<b>Lab No.:</b> 5759030	<b>Description / Location:</b> Off-White Ceiling Tile; 2x2
<b>Client No.:</b> HA-44A	
<u>% Asbestos</u>	<u>Type</u>
None Detected	None Detected
<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
40	Cellulose
30	Fibrous Glass
<u>% Non-Fibrous Material</u>	
	30

<b>Lab No.:</b> 5759031	<b>Description / Location:</b> Off-White Ceiling Tile; 2x2
<b>Client No.:</b> HA-44FD	
<u>% Asbestos</u>	<u>Type</u>
None Detected	None Detected
<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
40	Cellulose
30	Fibrous Glass
<u>% Non-Fibrous Material</u>	
	30

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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**Analysis Performed By:** S. Cone

**Date:** 10/13/2015

# CERTIFICATE OF ANALYSIS

<b>Client:</b>	SRW Environmental Services, Inc.	<b>Report Date:</b>	10/13/2015
	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5759032	<b>Description / Location:</b>	Green Floor Tile; 9x9	
<b>Client No.:</b>	HA-45A			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2 1	Chrysotile	None Detected	None Detected	PC 97 9

<b>Lab No.:</b>	5759033	<b>Description / Location:</b>	Green Floor Tile; 9x9	
<b>Client No.:</b>	HA-45FD			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1 9	Chrysotile	None Detected	None Detected	PC 98 1

<b>Lab No.:</b>	5759033	<b>Description / Location:</b>	Black Mastic	<b>Layer No.:</b> 2
<b>Client No.:</b>	HA-45FD			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b>	5759034	<b>Description / Location:</b>	Off-White/Red Ceiling Tile; 2x4	
<b>Client No.:</b>	HA-46A			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	40	Cellulose	30
		30	Fibrous Glass	

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<b>Analytical Method:</b>	US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198 1 where applicable)
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**Analysis Performed By:** S. Cone

**Date:** 10/13/2015



9000 Commerce Parkway, Ste B  
Mount Laurel, NJ 08054  
Toll Free 877-428-4285  
Local: 856-231-9449  
Fax: 856-231-9818

## CERTIFICATE OF ANALYSIS

**Client:** SRW Environmental Services, Inc.  
320 South Wayne Avenue  
Cincinnati OH 45215

**Report Date:** 10/13/2015  
**Report No:** 375890  
**Project:** Perry And Derrick  
**Project No.:** 340.008.17

### BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 5759035 **Description / Location:** Off-White/Red Ceiling Tile; 2x4  
**Client No.:** HA-46B

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	40	Cellulose	30
		30	Fibrous Glass	

**Lab No.:** 5759036 **Description / Location:** Off-White/Red Ceiling Tile; 2x4  
**Client No.:** HA-46C

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	40	Cellulose	30
		30	Fibrous Glass	

**Accreditation** NIST-NVLAP No. 101165-0 NY-DOH No. 11021 AIHA-LAP, LLC No. 100188

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**Analysis Performed By:** S. Cone

**Date:** 10/13/2015

# CERTIFICATE OF ANALYSIS

<b>Client:</b>	SRW Environmental Services, Inc.	<b>Report Date:</b>	10/13/2015
	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5759037	<b>Description / Location:</b>	Brown Mastic	
<b>Client No.:</b>	HA-47A			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b>	5759037	<b>Description / Location:</b>	Grey Paper	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-47A				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	98	Cellulose	2	

<b>Lab No.:</b>	5759037	<b>Description / Location:</b>	Brown Floor Tile; 9x9	<b>Layer No.:</b>	3
<b>Client No.:</b>	HA-47A				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

<b>Lab No.:</b>	5759037	<b>Description / Location:</b>	Grey Floor Tile	<b>Layer No.:</b>	4
<b>Client No.:</b>	HA-47A				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
PC 2 6	Chrysotile	None Detected	None Detected	PC 97 4	

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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**Date:** 10/13/2015



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320 South Wayne Avenue  
Cincinnati OH 45215

**Report Date:** 10/13/2015  
**Report No:** 375890  
**Project:** Perry And Derrick  
**Project No.:** 340.008.17

### BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5759037E	<b>Description / Location:</b>	Tan Mastic	
<b>Client No.:</b>	HA-47A			
<b>% Asbestos</b>	<b>Type</b>	<b>% Non-Asbestos Fibrous Material</b>	<b>Type</b>	<b>% Non-Fibrous Material</b>
PC Trace	Chrysotile	None Detected	None Detected	100

**Accreditation**      **NIST-NVLAP No. 101165-0**      **NY-DOH No. 11021**      **AIHA-LAP, LLC No. 100188**

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	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5759038	<b>Description / Location:</b>	White/Tan Floor Tile; 9x9	
<b>Client No.:</b>	HA-47FD			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1 8	Chrysotile	None Detected	None Detected	PC 98 2

<b>Lab No.:</b>	5759038	<b>Description / Location:</b>	Brown Mastic		<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-47FD					
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>		
PC 2 1	Chrysotile	None Detected	None Detected	PC 97 9		

<b>Lab No.:</b>	5759038	<b>Description / Location:</b>	Brown Vinyl Sheet Flooring		<b>Layer No.:</b>	3
<b>Client No.:</b>	HA-47FD					
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>		
None Detected	None Detected	10	Cellulose	90		

<b>Lab No.:</b>	5759038	<b>Description / Location:</b>	Black Mastic		<b>Layer No.:</b>	4
<b>Client No.:</b>	HA-47FD					
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>		
None Detected	None Detected	None Detected	None Detected	100		

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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<b>Analytical Method:</b>	US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198 1 where applicable)
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**Analysis Performed By:** V. Smith

**Date:** 10/13/2015

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	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5759039	<b>Description / Location:</b>	Black Floor Material; 9x9	
<b>Client No.:</b>	HA-48A			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b>	5759039	<b>Description / Location:</b>	Brown Mastic	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-48A				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
PC 1 9	Chrysotile	None Detected	None Detected	PC 98 1	

<b>Lab No.:</b>	5759039	<b>Description / Location:</b>	Red/Brown Mastic	<b>Layer No.:</b>	3
<b>Client No.:</b>	HA-48A				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

<b>Lab No.:</b>	5759039	<b>Description / Location:</b>	Grey Paper	<b>Layer No.:</b>	4
<b>Client No.:</b>	HA-48A				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	98	Cellulose	2	
		Trace	Synthetic		

### Accreditation

**NIST-NVLAP No. 101165-0**

**NY-DOH No. 11021**

**AIHA-LAP, LLC No. 100188**

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### Comments:

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**Analysis Performed By:** V. Smith

**Date:** 10/13/2015

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	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5759040	<b>Description / Location:</b>	Red Floor Tile; 9x9	
<b>Client No.:</b>	HA-49A			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b>	5759040	<b>Description / Location:</b>	Brown Mastic	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-49A				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
PC 1 8	Chrysotile	None Detected	None Detected	PC 98 2	

<b>Lab No.:</b>	5759040	<b>Description / Location:</b>	Black Floor Material	<b>Layer No.:</b>	3
<b>Client No.:</b>	HA-49A				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

<b>Lab No.:</b>	5759040	<b>Description / Location:</b>	Red/Brown Mastic	<b>Layer No.:</b>	4
<b>Client No.:</b>	HA-49A				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

### Accreditation

**NIST-NVLAP No. 101165-0**

**NY-DOH No. 11021**

**AIHA-LAP, LLC No. 100188**

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**Analysis Performed By:** V. Smith

**Date:** 10/13/2015



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320 South Wayne Avenue  
Cincinnati OH 45215

**Report Date:** 10/13/2015  
**Report No:** 375890  
**Project:** Perry And Derrick  
**Project No.:** 340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 5759040E	<b>Description / Location:</b> Grey Paper
<b>Client No.:</b> HA-49A	
<u>% Asbestos</u>	<u>Type</u>
None Detected	None Detected
<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
98	Cellulose
Trace	Synthetic
	<u>% Non-Fibrous Material</u>
	2

<b>Lab No.:</b> 5759041	<b>Description / Location:</b> White/Grey Wall Tile; 1x2
<b>Client No.:</b> HA-50A	
<u>% Asbestos</u>	<u>Type</u>
None Detected	None Detected
<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
60	Mineral Wool
	<u>% Non-Fibrous Material</u>
	40

<b>Lab No.:</b> 5759042	<b>Description / Location:</b> Grey Wall Tile; 1x2
<b>Client No.:</b> HA-50B	
<u>% Asbestos</u>	<u>Type</u>
None Detected	None Detected
<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
60	Mineral Wool
	<u>% Non-Fibrous Material</u>
	40

**Accreditation**      **NIST-NVLAP No. 101165-0**      **NY-DOH No. 11021**      **AIHA-LAP, LLC No. 100188**

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		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5759043	<b>Description / Location:</b>	Tan Floor Mastic	
<b>Client No.:</b>	HA-51A			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b>	5759043	<b>Description / Location:</b>	White/Grey Leveling Compound	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-51A				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
PC 3 2	Chrysotile	None Detected	None Detected	PC 96 8	

<b>Lab No.:</b>	5759044	<b>Description / Location:</b>	Tan Floor Mastic	
<b>Client No.:</b>	HA-51FD			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b>	5759044	<b>Description / Location:</b>	White/Grey Leveling Compound	<b>Layer No.:</b>	2
<b>Client No.:</b>	HA-51FD				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
PC 2 6	Chrysotile	None Detected	None Detected	PC 97 4	

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5759045	<b>Description / Location:</b>	White Insulation	
<b>Client No.:</b>	HA-52A		Mudded Fitting, 6" Mag Block	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
40	Chrysotile	None Detected	None Detected	60

<b>Lab No.:</b>	5759046	<b>Description / Location:</b>	Grey Insulation	
<b>Client No.:</b>	HA-53A		Corrugated Pipe, 6"	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
60	Chrysotile	None Detected	None Detected	40

<b>Lab No.:</b>	5759047	<b>Description / Location:</b>	Grey Insulation	
<b>Client No.:</b>	HA-53B		Corrugated Pipe, 6"	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
60	Chrysotile	None Detected	None Detected	40

<b>Lab No.:</b>	5759048	<b>Description / Location:</b>	Grey Insulation	
<b>Client No.:</b>	HA-53C		Corrugated Pipe, 6"	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
60	Chrysotile	None Detected	None Detected	40

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government  
This report shall not be reproduced except in full, without written approval of the laboratory.*

<b>Analytical Method:</b>	US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198 1 where applicable)
---------------------------	--

**Comments:** Quantification at <0.25% by volume is possible with this method (PC) Indicates Stratified Point Count Method performed (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen Analysis includes all distinct separable layers in accordance with EPA 600 Method If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex analyze until positive instructions) Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing

**Analysis Performed By:** V. Smith

**Date:** 10/13/2015

# CERTIFICATE OF ANALYSIS

<b>Client:</b>	SRW Environmental Services, Inc.	<b>Report Date:</b>	10/13/2015
	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

## BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5759049	<b>Description / Location:</b>	Black Roof Material
<b>Client No.:</b>	HA-54A		Rolled Roofing
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	Trace	Cellulose
			100

<b>Lab No.:</b>	5759050	<b>Description / Location:</b>	Grey/Tan Glazing
<b>Client No.:</b>	HA-55A		1" Bead Window
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

<b>Lab No.:</b>	5759051	<b>Description / Location:</b>	Grey Glazing
<b>Client No.:</b>	HA-56A		1" Bead Window
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

<b>Lab No.:</b>	5759052	<b>Description / Location:</b>	Grey/Off-White Glazing
<b>Client No.:</b>	HA-56B		1" Bead Window
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC 1 6	Chrysotile	None Detected	None Detected
			PC 98 4

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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This report shall not be reproduced except in full, without written approval of the laboratory.*

<b>Analytical Method:</b>	US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198 1 where applicable)
---------------------------	--

**Comments:** Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

**Analysis Performed By:** V. Smith

**Date:** 10/13/2015



9000 Commerce Parkway, Ste B  
Mount Laurel, NJ 08054  
Toll Free 877-428-4285  
Local: 856-231-9449  
Fax: 856-231-9818

## CERTIFICATE OF ANALYSIS

<b>Client:</b>	SRW Environmental Services, Inc.	<b>Report Date:</b>	10/13/2015
	320 South Wayne Avenue	<b>Report No:</b>	375890
	Cincinnati OH 45215	<b>Project:</b>	Perry And Derrick
		<b>Project No.:</b>	340.008.17

### BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5759053	<b>Description / Location:</b>	Red Glazing	
<b>Client No.:</b>	HA-56C		1" Bead Window	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b>	5759054	<b>Description / Location:</b>	White/Grey Ceiling Tile; 1x1	
<b>Client No.:</b>	HA-57A			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	45	Cellulose	30
		25	Mineral Wool	

<b>Accreditation</b>	<b>NIST-NVLAP No. 101165-0</b>	<b>NY-DOH No. 11021</b>	<b>AIHA-LAP, LLC No. 100188</b>
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This report shall not be reproduced except in full, without written approval of the laboratory.*

<b>Analytical Method:</b>	US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198 1 where applicable)
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**Comments:** Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

**Analysis Performed By:** V. Smith

**Date:** 10/13/2015

## BATCH / SAMPLE MANAGEMENT REPORT

Customer No.: SRW210 Batch Number: 375890

Customer: SRW Environmental Services, Inc. Project: Perry and Derrick  
320 South Wayne Avenue  
Cincinnati OH 45215 Project Number: 340.008.17

Customer Rep: HOUSE TAT: 5 ~~10~~ Day

Date/Time Rec'd: 10/6/2015

# of Samples: ~~139~~ 141 Analysis: PLM Time/Date Due: 10/28/2015

Initials Signaling  
Acknowledgement ☐ RTP: \_\_\_\_\_ ☐ To PLM NOB \_\_\_\_\_ ☐ To TEM NOB \_\_\_\_\_

### Special Instructions:

### Admin Notes:

#### Shipping Error:

- \_\_\_\_\_ Samples were not received in a sealed container. Bulk samples not double bagged.
- \_\_\_\_\_ Air Cassettes received open in bag... sample integrity compromised, possible contamination.
- \_\_\_\_\_ Samples received wet.
- \_\_\_\_\_ Samples received covered with dust... possible cross contamination.
- \_\_\_\_\_ Sample containers damaged, contents spilled... possible cross contamination.
- \_\_\_\_\_ Paperwork received in the same bag as samples possible contamination.
- \_\_\_\_\_ No / Incomplete Chain of Custody Received.
- \_\_\_\_\_ No / Incomplete Sample Log Received.
- \_\_\_\_\_ Sample container IDs do not match the client's sample log.
- \_\_\_\_\_ No Turnaround Time indicated.
- \_\_\_\_\_ PCM Re-prep for TEM NIOSH 7402. Cassettes previously opened and portion of filter removed.
- \_\_\_\_\_ Blank(s) not submitted as required by the requested analytical method.
- \_\_\_\_\_ Minimum shipping requirements not attained. See attached Carrier Air Bill.
- \_\_\_\_\_ Other: \_\_\_\_\_

#### Batch Error:

- \_\_\_\_\_ Wrong Client ID Listed:
- \_\_\_\_\_ Wrong Client Location Listed:
- \_\_\_\_\_ Wrong Project ID Listed:
- \_\_\_\_\_ Wrong TurnAround Time Listed:
- \_\_\_\_\_ Wrong Due Date Listed:
- \_\_\_\_\_ Wrong Date/Time Received Listed:
- \_\_\_\_\_ Wrong Analysis Method Listed:
- \_\_\_\_\_ Wrong Number of Samples Listed:

#### Login Error:

- \_\_\_\_\_ Sample Log Stamped Incorrectly:
- \_\_\_\_\_ Sample Containers Mislabeled:
- \_\_\_\_\_ Duplicate / Extra Samples Not Stamped:
- \_\_\_\_\_ Analyst Bench Sheet Error:



## Chain of Custody

—Bulk Asbestos—

### Contact Information

Client Company: SPW Environmental Services, Inc.

Project Number: 340.008.17

Office Address: 320 S. Wayne Ave

Project Name: Perry and Derrick

City, State, Zip: Cincinnati, OH 45215

Primary Contact: Laura Welsh

Fax Number: \_\_\_\_\_

Office Phone: 513-576-0009 x219

Email Address: lwelsh@spwenvironmental.com

Cell Phone: \_\_\_\_\_

### PLM Instructions:

- ☒ PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993
- ☐ PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982
- ☐ PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985
- ☐ PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002
- ☐ PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010
- ☐ TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009

- ☐ PLM: Point Counting
  - ☐ PC: via ELAP 198.1
  - ☐ PC: 400 Points
  - ☐ PC: 800 Points \*
  - ☐ PC: 1600 Points \*

- ☐ PLM: Analyze Until Positive (Positive Stop)
  - ☐ AUP: by Homogenous Area as Noted
  - ☐ AUP: by Material Type as Noted
- ☐ PLM: NOB via 198.6
  - ☐ PLM: Friable via EPA 600 2.3
  - ☐ If <1% by PLM, to TEM via 198.4 \*
  - ☐ If <1% by PLM, Hold for Instructions

- ☐ PLM: Instructions for Multi-Layered Samples
  - ☐ Analyze and Report All Separable Layers per EPA 600
  - ☐ Report Composite for Drywall Systems per NESHAP
  - ☐ Report All Layers and Composite Where Applicable
  - ☐ Only Analyze and Report Specifically Noted Layer

- ☐ PLM: Non-Building Material \*\*\* (Dust, Wipe, Tape)
  - ☐ Soil or Vermiculite Analysis
  - ☐ CARB 435

Special Instructions: see attached memo

\* Additional charge and turnaround may be required

\*\* Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory

### Turnaround Time

Preliminary Results Requested Date: \_\_\_\_\_

☐ Verbal ☒ Email ☐ Fax

☒ 10 Day ☐ 5 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day\* ☐ 12 Hour\*\* ☐ 6 Hour\*\* ☐ RUSH\*\*

\* End of next business day unless otherwise specified. \*\* Matrix Dependent. \*\*\*Please notify the lab before shipping\*\*\*

### Chain of Custody

Relinquished (Name/Organization): Laura Welsh/SPW

Date: 10/2/15

Received (Name / iATL): UPS

Date: \_\_\_\_\_

Sample Login (Name / iATL): W

Date: 10/8/15

Analysis(Name(s) / iATL): \_\_\_\_\_

Date: \_\_\_\_\_

QA/QC Review (Name / iATL): \_\_\_\_\_

Date: \_\_\_\_\_

Archived / Released: \_\_\_\_\_ QA/QC InterLAB Use: \_\_\_\_\_

Date: \_\_\_\_\_

Time: 14:00  
Time: \_\_\_\_\_  
Time: \_\_\_\_\_  
Time: \_\_\_\_\_  
Time: \_\_\_\_\_  
Time: \_\_\_\_\_  
Time: \_\_\_\_\_  
Time: \_\_\_\_\_  
Time: \_\_\_\_\_  
Time: \_\_\_\_\_



## Sample Log

### —Bulk Asbestos—

Client: SPW Project: Perry & Dernick (P&D)

Sampling Date/Time: 9/28/15 - 10/1/15

Bulk Asbestos Sample Log			
Client Sample #	IATL #	Location/Description	(F) = Friable (N) = Non-Friable Notes
HA-1	NO SAMPLES		
HA-2 A	5758914	corrugated pipe wrap on 1" pipe	F
↓ B	5758915	↓	↓
↓ C	5758916	↓	↓
HA-3 A	5758917	mudded fittings on 1" corrugated	
↓ B	5758918	↓	
HA-4 A	5758919	corrugated pipe wrap on 2" pipe	
↓ B	5758920	↓	
↓ C	5758921	↓	
HA-5 A	5758922	mudded fittings on 2" corrugated	
HA-6 A	5758923	corrugated pipe wrap on 4" pipe	
↓ B	5758924	↓	
↓ C	5758925	↓	
HA-7 A	5758926	mudded fittings on 4" corrugated	
↓ B	5758927	↓	
HA-8 A	5758928	layered paper pipe wrap on 2" pipe	↓



## Sample Log

—Bulk Asbestos—

Client: SPW Project: Perry and Demick (P&D)

Sampling Date/Time: 9/28/15 - 10/1/15

Bulk Asbestos Sample Log			
Client Sample #	iATL #	Location/Description	Notes
HA-8 B	5758929	layered paper pipe wrap on 2" pipe	F
↓ C	5758930	↓	
HA-9 A	5758931	corrugated pipe wrap on 3" pipe	
↓ B	5758932	↓	
↓ C	5758933	↓	
HA-10 A	5758934	mudded fittings on 3" corrugated	
↓ B	5758935	↓	
HA-11 A	5758936	corrugated pipe wrap on 1/2" pipe	
↓ B	5758937	↓	
↓ C	5758938	↓	
HA-12	NO SAMPLES		
HA-13 A	5758939	spray-on thermal layer	
↓ B	5758940	↓	
↓ C	5758941	↓	
↓ D	5758942	↓	
↓ E	5758943	↓	↓

## Sample Log

—Bulk Asbestos—

Client: SPW Project: Perry & Demick (PLD)

Sampling Date/Time: 9/28/15 - 10/1/15

Bulk Asbestos Sample Log			
Client Sample #	IATL #	Location/Description	Notes
HA-14 A	5758944	plaster walls, gray w/ metal mesh	N
↓ B	5758945	↓	↓
↓ C	5758946	↓	↓
↓ D	5758947	↓	↓
↓ E	5758948	↓	↓
HA-15 A	5758949	1" bead window glazing 15'x2' / 4 pane windows	F
↓ B	5758950	↓	↓
↓ C	5758951	↓	↓
↓ D	5758952	↓	↓
↓ E	5758953	↓	↓
HA-16 A	5758954	1.5" bead window glazing 15'x2' / 4 pane windows	
HA-17 A	5758955	mag block pipe wrap on 2" pipe	
↓ B	5758956	↓	↓
↓ C	5758957	↓	↓
HA-18 A	5758958	1.5" bead window glazing 15'x2' / 4 pane	
↓ B	5758959	↓	↓



## Sample Log

### —Bulk Asbestos—

Client: SPW

Project: Perry and Derrick (P&D)

Sampling Date/Time: 9/28/15 - 10/1/15

**Bulk Asbestos Sample Log**

Client Sample #	IATL #	Location/Description	Notes
HA-18 C	5758960	1.5" bead window glazing 1'x1.5'/24 pane	F
HA-19 A	5758961	mag block pipe wrap on 6" pipe	↓
↓ B	5758962	↓	↓
↓ C	5758963	↓	↓
HA-20 A	5758964	cloth wrap on 6" mag-block wrapped pipe	N
↓ B	5758965	↓	↓
↓ C	5758966	↓	↓
HA-21 A	5758967	0.5" bead window glazing 1'x1.5'/20-25-15	F
↓ B	5758968	↓	↓
↓ C	5758969	↓	↓
HA-22 A	5758970	mudded fittings on 2" mag block	↓
↓ B	5758971	↓	↓
HA-23 A	5758972	corrugated wrap on exterior vent	↓
↓ B	5758973	↓	↓
↓ C	5758974	↓	↓
HA-24 A	5758975	wallboard system w/ joint compound	N



## Sample Log

### -Bulk Asbestos-

Client: SPW Project: Perry and Derrick (P & D)

Sampling Date/Time: 9/28/15 - 10/1/15

Bulk Asbestos Sample Log			
Client Sample #	IATL #	Location/Description	Notes
HA-24 B	5758976	wall board system w/ joint compound	N
↓ C	5758977	↓	↓
↓ D	5758978	↓	↓
↓ E	5758979	↓	↓
HA-24 FD	5758980	wall board system w/ joint compound	↓
HA-25 A	5758981	thermal backing in electric box	↓
HA-26 A	5758982	9"x9" floor tile, grey speckled	F
HA-26 FD	5758983	9"x9" floor tile, grey speckled	↓
HA-27 A	5758984	1" bead window glazing 0.5'x1.5'/24 pane	↓
HA-28 A	5758985	mag block pipe wrap on 4" pipe	↓
↓ B	5758986	↓	↓
↓ C	5758987	↓	↓
HA-29 A	5758988	mudded fittings on 4" mag block	↓
HA-30 A	5758989	layered paper pipe wrap on 1" pipe (2 layers)	↓
↓ B	5758990	↓	↓
↓ C	5758991	↓	↓



## Sample Log

### —Bulk Asbestos—

Client: SPW Project: Perry & Derrick (P&D)

Sampling Date/Time: 9/28/15 - 10/1/15

Bulk Asbestos Sample Log			
Client Sample #	IATL #	Location/Description	Notes
HA-31	NO SAMPLES		N/A
HA-32 A	5758992	layered paper pipe wrap on 1" pipe	F
↓ B	5758993	↓	↓
↓ C	5758994	↓	↓
HA-33 A	5758995	corrugated pipe wrap on 8" pipe	↓
↓ B	5758996	↓	↓
↓ C	5758997	↓	↓
HA-34	NO SAMPLES		N/A
HA-35 A	5758998	corrugated pipe wrap on 1/2" pipe	F
↓ B	5758999	↓	↓
↓ C	5759000	↓	↓
HA-36 A	5759001	mudded fitting on 1/2" corrugated	↓
HA-37 A	5759002	12"x12" floor tile, grey	↓
HA-37 FD	5759003	12"x12" floor tile, grey	↓
HA-38 A	5759004	2'x4' ct remnants	↓
HA-39 A	5759005	plaster wall system, grey	N

## Sample Log

### -Bulk Asbestos -

Client: SPW Project: Perry & Derrick (P&D)

Sampling Date/Time: 9/28/15 - 10/1/15

Bulk Asbestos Sample Log

Client Sample #	IATL #	Location/Description	Notes
HA-39 B	5759006	plaster wall system, grey	N
↓ C	5759007	↓	↓
↓ D	5759008	↓	↓
↓ E	5759009	↓	↓
HA-40 A	5759010	1/2" bead window glazing 2'x2' / 2 pane	F
↓ B	5759011	↓	↓
HA-41 A	5759012	black mastic	N
↓ B	5759013	↓	↓
↓ C	5759014	↓	↓
↓ D	5759015	↓	↓
↓ E	5759016	↓	↓
HA-41 FD	5759017	black mastic	
HA-42 A	5759018	plaster ceilings w/ metal mesh	
↓ B	5759019	↓	↓
↓ C	5759020	↓	↓
↓ D	5759021	↓	↓



## Sample Log

### -Bulk Asbestos -

Client: SPW

Project: Perry and Demick (P&D)

Sampling Date/Time: 9/28/15 - 10/1/15

Bulk Asbestos Sample Log			
Client Sample #	iATL #	Location/Description	Notes
HA-42 E	5759022	plaster ceiling with metal mesh	N
HA-43 A	5759023	plaster wall system	
↓ B	5759024	↓	
C	5759025		
D	5759026		
E	5759027		
F	5759028		
↓ G	5759029	↓	
HA-44 A	5759030	2'x2' ceiling tile, pinhole & worm hole	
HA-44 FD	5759031	2'x2' ceiling tile, pinhole & worm hole	
HA-45 A	5759032	9"x9" floor tile, white with blue stripes	
HA-45 FD	5759033	9"x9" floor tile, white with blue stripes	
HA-46 A	5759034	2'x4' ceiling tile, pin hole and worm hole	
↓ B	5759035	↓	
↓ C	5759036	↓	
HA-47 A	5759037	9"x9" floor tile, brown mastic, brown terrazzo, black mastic	↓



## Sample Log

### -Bulk Asbestos -

Client: SPW Project: Perry and Derrick (P&D)

Sampling Date/Time: 9/28/15 - 10/1/15

Bulk Asbestos Sample Log			
Client Sample #	IATL #	Location/Description	Notes
HA-47 FD	5759038	9"x9" floor tile, brown mastic, brown terrazzo, black mastic	N
HA-48 A	5759039	9"x9" floor tile, brown mastic, black tile, black mastic	↓
HA-49 A	5759040	9"x9" floor tile, brown mastic, red tile, black mastic	
HA-50 A	5759041	1'x2' wall tiles, wormhole	
↓ B	5759042	↓	
HA-51 A	5759043	yellow floor mastic	↓
HA-51 FD	5759044	yellow floor mastic	
HA-52 A	5759045	mudded fitting on 6" mag block	F
HA-53 A	5759046	corrugated pipe wrap on 6" pipe	↓
↓ B	5759047	↓	
↓ C	5759048	↓	↓
HA-54 A	5759049	black rolled roofing	N
HA-55 A	5759050	1" bead window glazing, 1'x15' 15 pane	F
HA-56 A	5759051	1" bead window glazing, 1'x15' 24-15-10-20	↓
↓ B	5759052	↓	
↓ C	5759053	↓	





# **ATTACHMENT 3**

## ***Lead Laboratory Results***



## CERTIFICATE OF ANALYSIS

**Client:** SRW Environmental Services, Inc.  
320 South Wayne Avenue  
Cincinnati OH 45215

**Report Date:** 10/13/2015  
**Report Number:** 375937  
**Project:** Former Perry And Derrick  
**Project No.:** 340.008.17

### LEAD PAINT SAMPLE ANALYSIS SUMMARY

<u>Lab No.</u>	<u>Client No.</u>	<u>Location / Description</u>	<u>Concentration Lead By Weight (%)</u>
5757186	P1	White Interior Wood	0.019
5757187	P2	Yellow Interior Metal	4.8
5757188	P3	Seafoam Green Interior Metal	3.6
5757189	P4	Grey Interior Metal	1.5
5757190	P5	Dark Green Interior Brick	4.0
5757191	P6	Silver Interior Brick	0.35
5757192	P7	Red Interior Concrete	0.058
5757193	P8	Light Grey Interior Concrete	2.7
5757194	P9	Off-White Interior Wood	<0.0063
5757195	P10	Brown Exterior Concrete	15 ***

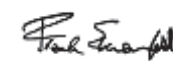
**Accreditations:** **NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)**  
AIHA-LAP, LLC No. 100188 NYSDOH-ELAP No. 11021

**Analytical Methods:** ASTM D3335-85A "Standard Method To Test For Low Concentrations Of Lead In Paint By Atomic Absorption Spectrophotometry"  
EPA SW846-(3050B:7000B) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges and Sediments By AAS"

**Comments:** Regulatory limit is 0.5% lead by weight (EPA/HUD guidelines). Recommend multiple sampling for all samples less than regulatory limit for confirmation. All results are based on the samples as received at the lab. IATL assumes that appropriate sampling methods have been used and the data upon which these results are based have been accurately supplied by the client. Method Detection Limit (MDL) per EPA Method 40 CFR Part 136 Appendix B Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies. LSD=0.2 ppm MDL=0.0044% by weight RL=0.010% by weight (based upon 100 mg sampled). \* Insufficient sample provided to perform QC reanalysis (<200 mg). \*\* Not enough sample provided to analyze (<50 mg). \*\*\* Matrix / substrate interference possible. Sample results are not corrected for contamination by field or analytical blanks. This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any government agency. This report shall not be reproduced except in full, without written approval of the laboratory.

**Date Received:** 10/6/2015  
**Date Analyzed:** 10/13/2015  
**Analyst:** C. Shaffer

**Approved By:**



Frank E. Ehrenfeld, III  
Laboratory Director

## CERTIFICATE OF ANALYSIS

**Client:** SRW Environmental Services, Inc.

320 South Wayne Avenue

Cincinnati OH 45215

**Report Date:** 10/13/2015

**Report Number:** 375937

**Project:** Former Perry And Derrick

**Project No.:** 340.008.17

### LEAD PAINT SAMPLE ANALYSIS SUMMARY

<u>Lab No.</u>	<u>Client No.</u>	<u>Location / Description</u>	<u>Concentration Lead By Weight (%)</u>
5757196	P11	Salmon Exterior Plaster	3.8 ***
5757197	P12	Light Blue Interior Plaster	<0.0075 ***
5757198	P13	Beige Interior Wood	10

**Accreditations:**

**NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)**

AIHA-LAP, LLC No. 100188

NYSDOH-ELAP No. 11021

**Analytical Methods:** ASTM D3335-85A "Standard Method To Test For Low Concentrations Of Lead In Paint By Atomic Absorption Spectrophotometry"  
EPA SW846-(3050B:7000B) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges and Sediments By AAS"

**Comments:** Regulatory limit is 0.5% lead by weight (EPA/HUD guidelines). Recommend multiple sampling for all samples less than regulatory limit for confirmation. All results are based on the samples as received at the lab. IATL assumes that appropriate sampling methods have been used and the data upon which these results are based have been accurately supplied by the client. Method Detection Limit (MDL) per EPA Method 40 CFR Part 136 Appendix B Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies. LSD=0.2 ppm MDL=0.0044% by weight RL=0.010% by weight (based upon 100 mg sampled). \* Insufficient sample provided to perform QC reanalysis (<200 mg). \*\* Not enough sample provided to analyze (<50 mg). \*\*\* Matrix / substrate interference possible. Sample results are not corrected for contamination by field or analytical blanks. This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any government agency. This report shall not be reproduced except in full, without written approval of the laboratory.

**Date Received:** 10/6/2015

**Date Analyzed:** 10/13/2015

**Analyst:** C. Shaffer



## Chain of Custody

– Environmental Lead –

### Contact Information

**Client Company:** SRW Environmental Services, Inc.  
**Office Address:** 320 S. Wayne Avenue  
**City, State, Zip:** Cincinnati, Ohio 45215  
**Fax Number:** 513-576-9756  
**Email Address:** lwelsh@srwenvironmental.com

**Project Number:** 340.008.17  
**Project Name:** Former Perry and Derrick  
**Primary Contact:** Laura Welsh  
**Office Phone:** 513-576-0009 x219  
**Cell Phone:** 513-426-5586

iATL is accredited by the National Lead Laboratory Accreditation Program (NLLAP) to perform analytical testing of environmental samples for lead (Pb). The accreditation is through AIHA-LAP, LLC and several other nationally recognized state programs.

### Matrix/Method:

- ☒ Paint by AAS: ASTM D3335-85a, 2009  
☐ Wipe/Dust by AAS: SW 846: 3050B: 700B, 2010  
☐ Air by AAS: NIOSH 7082, 1994  
☐ Soil by AAS: EPA SW 846 (Soil)  
☐ Water by AAS-GF: ASTM D3559-03D, USEPA 40CFR 141.11B, 2010  
☐ Other Metals (Cd, Zn, Cr) by AAS  
☐ Toxicity Characteristic Leaching Procedure (TCLP) by AAS: USEPA 1311  
☐ Other \_\_\_\_\_

### Special Instructions:

\_\_\_\_\_  
\_\_\_\_\_

### Turnaround Time

Preliminary Results Requested Date: \_\_\_\_\_  
Specific date / time  
☒ 10 Day ☐ 5 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day\* ☐ 12 Hour\*\* ☐ 6 Hour\*\* ☐ RUSH\*\*  
\* End of next business day unless otherwise specified. \*\* Matrix Dependent. \*\*\*Please notify the lab before shipping\*\*\*

### Chain of Custody

Relinquished (Name/Organization): Laura Welsh/ SRW  
Received (Name / iATL): UPS  
Sample Login (Name / iATL):  
Analysis(Name(s) / iATL):  
QA/QC Review (Name / iATL):  
Archived / Released: \_\_\_\_\_ QA/QC InterLAB Use: \_\_\_\_\_

Date: 10/2/15 Time: 1400  
Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Date: \_\_\_\_\_ Time: \_\_\_\_\_

RECEIVE

OCT 6 2015

## Sample Log

—Environmental Lead—

Client: SRW Environmental Services, Inc. Project: Perry and Derrick (P&D)

Sampling Date/Time: 10/1/2015

Client Sample #	iATL #	Location/ Description	Substrate	Sampling time (min)	Area (ft <sup>2</sup> ) Volume (L)	Results ( )
P1	5757186	white interior	wood			
P2	5757187	yellow interior	metal			
P3	5757188	seafoam green interior	metal			
P4	5757189	grey interior	metal			
P5	5757190	dark green interior	brick			
P6	5757191	silver interior	brick			
P7	5757192	red interior	concrete			
P8	5757193	light grey interior	concrete			
P9	5757194	off-white interior	wood			
P10	5757195	brown exterior	concrete			
P11	5757196	salmon exterior	plaster			
P12	5757197	light blue interior	plaster			
P13	5757198	beige interior	wood			

\* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

\*\* = Insufficient Sample Provided to Analyze (<50mg) \*\*\* = Matrix / Substrate Interference Possible

FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.

These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

## **ATTACHMENT 2**

### ***Inspectors' Certification***





# OHIO DEPARTMENT OF HEALTH

246 North High Street  
Columbus, Ohio 43215

614/466-3543  
www.odh.ohio.gov

John R. Kasich/Governor

Richard Hodges/Director of Health

June 10, 2016

Paul A Cordy  
SRW Environmental  
320 S Wayne Ave  
Cincinnati OH 45215

RE: Asbestos Hazard Abatement Specialist  
Certification Number: AS31845  
Expiration Date: 07/15/2017

Dear Paul A Cordy:

This letter and enclosed certification card approves your request to be certified as an Asbestos Hazard Abatement Specialist. You must present your card upon request at any project site while performing duties. Copies of cards are not acceptable as proof of certification.

This certification may be revoked by the Director of Health for violation of any of the requirements of 3701-34 of the Ohio Administrative Code.

If you have any questions, please call Kathy Butcher, Licensure Specialist, at 614-644-0226.

Sincerely,

Bill Robbins, Section Chief  
Bureau of Licensure Operations  
Office of Health Assurance and Licensing







# OHIO DEPARTMENT OF HEALTH

246 North High Street  
Columbus, Ohio 43215

614/466-3543  
www.odh.ohio.gov

John R. Kasich/Governor

Richard Hodges/Director of Health

January 20, 2016

Brian S Keplinger  
SRW Environmental Services Inc  
320 S Wayne Avenue  
Cincinnati OH 45215

RE: Asbestos Hazard Evaluation Specialist  
Certification Number: ES35983  
Expiration Date: 01/19/2017

Dear Brian S Keplinger:

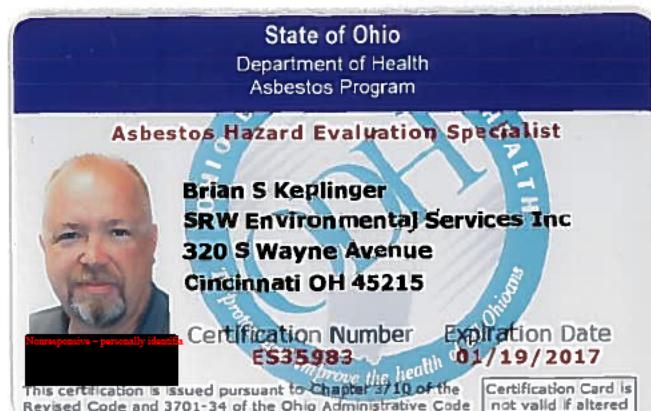
This letter and enclosed certification card approves your request to be certified as an Asbestos Hazard Evaluation Specialist. You must present your card upon request at any project site while performing duties. Copies of cards are not acceptable as proof of certification.

This certification may be revoked by the Director of Health for violation of any of the requirements of 3701-34 of the Ohio Administrative Code.

If you have any questions, please call Eleanor Black, Licensure Specialist, at 614-644-0226.

Sincerely,

Bill Robbins, Section Chief  
Bureau of Licensure Operations  
Office of Health Assurance and Licensing



## **ATTACHMENT 3**

### ***Asbestos Laboratory Results***





December 16, 2016

SRW Environmental Services  
320 S. Wayne Avenue  
Cincinnati, OH 45215

**CLIENT PROJECT:** Perry and Derrick; 340.008.17  
**CEI LAB CODE:** A16-10438

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on December 12, 2016. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

A handwritten signature in black ink, appearing to read "Tianbao Bai", with a stylized flourish at the end.

Tianbao Bai, Ph.D., CIH  
Laboratory Director





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## **ASBESTOS ANALYTICAL REPORT**

### **By: Polarized Light Microscopy**

Prepared for

**SRW Environmental Services**

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CLIENT PROJECT: Perry and Derrick; 340.008.17

CEI LAB CODE: A16-10438

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 12/16/16

TOTAL SAMPLES ANALYZED: 73

# SAMPLES >1% ASBESTOS: 17

**TEL: 866-481-1412**

***www.ceilabs.com***



# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Perry and Derrick; 340.008.17

CEI LAB CODE: A16-10438

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
HW-1		A2281788	Black	Wire Insulation	None Detected
HW-2		A2281789	Black	Wire Insulation	None Detected
HF-1		A2281790	Black	Flooring Felt	None Detected
HF-2		A2281791	Black	Flooring Felt	None Detected
HDI-1		A2281792	Black	Duct Insulation	None Detected
HDI-2		A2281793	Black	Duct Insulation	None Detected
HDI-3		A2281794	Black	Duct Insulation	None Detected
HVG-1		A2281795	Tan,Beige	Vibration Gasket	None Detected
HVG-2		A2281796	Tan,Beige	Vibration Gasket	None Detected
HCM-1		A2281797	Yellow,Tan	Carpet Mastic	None Detected
HCM-2		A2281798	Yellow,Tan	Carpet Mastic	None Detected
HSTM-1		A2281799	Brown	Stairwell Tread	Chrysotile 2%
HSTM-2		A2281800		Sample Not Analyzed per COC	
HBRNFT-1		A2281801A	Black	Floor Tile	Chrysotile 3%
	Layer 1	A2281801B	Black	Mastic	None Detected
	Layer 2	A2281801B	Brown	Felt Paper	None Detected
HBRNFT-2		A2281802A		Sample Not Analyzed per COC	
	Layer 1	A2281802B	Black	Mastic	None Detected
	Layer 2	A2281802B	Brown	Felt Paper	None Detected
		A2281802C	Brown	Flooring	None Detected
HPM-1		A2281803	Tan	Puck Mastic	None Detected
HPM-2		A2281804	Tan	Puck Mastic	None Detected
HCT-1		A2281805	Tan	Ceiling Tile	None Detected
HCT-2		A2281806	Tan	Ceiling Tile	None Detected
HCB-1		A2281807A	Gray	Covebase	None Detected
		A2281807B	Beige	Mastic	None Detected
HCB-2		A2281808A	Gray	Covebase	None Detected
		A2281808B	Beige	Mastic	None Detected
HI-1		A2281809	Off-white	Insulation	Chrysotile 65%
HI-2		A2281810		Sample Not Analyzed per COC	
HI-3		A2281811		Sample Not Analyzed per COC	



# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Perry and Derrick; 340.008.17

CEI LAB CODE: A16-10438

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
3KFT-1		A2281812A	Gray	Floor Tile	None Detected
		A2281812B	Tan	Mastic	None Detected
3KFT-2		A2281813A	Gray	Floor Tile	None Detected
		A2281813B	Tan	Mastic	None Detected
KBFT-1		A2281814A	Brown	Floor Tile	None Detected
		A2281814B	Clear	Mastic	None Detected
		A2281814C	Beige	Floor Tile	None Detected
		A2281814D	Black	Mastic	None Detected
KBFT-2		A2281815A	Brown	Floor Tile	None Detected
		A2281815B	Clear	Mastic	None Detected
		A2281815C	Beige	Floor Tile	None Detected
		A2281815D	Black	Mastic	None Detected
KCT-1		A2281816	White	Ceiling Tile	None Detected
KCT-2		A2281817	White	Ceiling Tile	None Detected
AWG-1		A2281818	Gray,Brown	Window Glazing	None Detected
AWG-2		A2281819	Gray,Brown	Window Glazing	None Detected
AT-1		A2281820	Gray	Transite	Chrysotile 10% Crocidolite 5%
AT-2		A2281821		Sample Not Analyzed per COC	
BD-1		A2281822	White,Beige	Drywall	None Detected
BD-2	Layer 1	A2281823	White	Drywall	None Detected
	Layer 2	A2281823	Off-white	Joint Compound	None Detected
BCB-1		A2281824A	Black	Covebase	None Detected
		A2281824B	Tan	Mastic	None Detected
BCB-2		A2281825A	Black	Covebase	None Detected
		A2281825B	Tan	Mastic	None Detected
BFT-1		A2281826A	Off-white	Floor Tile	None Detected
		A2281826B	Black	Mastic	None Detected
BFT-2		A2281827A	Off-white	Floor Tile	None Detected
		A2281827B	Black	Mastic	None Detected
EG-1		A2281828	Black,Tan	Rope Gasket	None Detected



# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Perry and Derrick; 340.008.17

CEI LAB CODE: A16-10438

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
EG-2		A2281829	Black, Tan	Rope Gasket	None Detected
KED-1		A2281830	White	Duct Insulation	Chrysotile 65%
KED-2		A2281831		Sample Not Analyzed per COC	
KED-3		A2281832		Sample Not Analyzed per COC	
ODI-1		A2281833	White	Duct Insulation	Chrysotile 65%
ODI-2		A2281834		Sample Not Analyzed per COC	
ODI-3		A2281835		Sample Not Analyzed per COC	
CAG-1		A2281836	Red	Window Glazing	None Detected
CAG-2		A2281837	Red	Window Glazing	None Detected
CFM-1		A2281838	Gray	Flooring Material	None Detected
CFM-2		A2281839	Gray	Flooring Material	None Detected
BR-1		A2281840	Black	Roofing Material	Chrysotile 15%
BR-2		A2281841		Sample Not Analyzed per COC	
CR-1	Layer 1	A2281842	Black	Roofing Material	None Detected
	Layer 2	A2281842	Black	Roofing Material	Chrysotile 5%
CR-2		A2281843		Sample Not Analyzed per COC	
DR-1		A2281844	Black	Roofing Material	None Detected
DR-2		A2281845	Black	Roofing Material	None Detected
ER-1	Layer 1	A2281846	Black	Roofing Material	None Detected
	Layer 2	A2281846	Black	Roofing Material	Chrysotile 15%
ER-2		A2281847		Sample Not Analyzed per COC	
FR-1		A2281848	Black	Roofing Material	None Detected
FR-2		A2281849	Black	Roofing Material	None Detected
GR-1	Layer 1	A2281850	Black	Roofing Material	None Detected
	Layer 2	A2281850	Black	Roofing Material	Chrysotile 5%
GR-2		A2281851		Sample Not Analyzed per COC	
IR-1	Layer 1	A2281852	Silver	Roofing Material	None Detected
	Layer 2	A2281852	Black	Roofing Material	None Detected
IR-2	Layer 1	A2281853	Silver	Roofing Material	None Detected
	Layer 2	A2281853	Black	Roofing Material	None Detected
CRA-1		A2281854	Black	Roofing Material	None Detected



# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Perry and Derrick; 340.008.17

CEI LAB CODE: A16-10438

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
CRA-2		A2281855	Black	Roofing Material	None Detected
DR1A		A2281856	Black	Roofing Material	None Detected
DR2A		A2281857	Black	Roofing Material	None Detected
DRF1A	Layer 1	A2281858	Gray	Roofing Material	Chrysotile 10%
	Layer 2	A2281858	Black	Roofing Material	None Detected
DRF2A		A2281859		Sample Not Analyzed per COC	
ER1A	Layer 1	A2281860	Gray	Roofing Material	Chrysotile 10%
	Layer 2	A2281860	Black	Roofing Material	None Detected
ER2A		A2281861		Sample Not Analyzed per COC	
KR1		A2281862	Black	Roofing Material	None Detected
KR2		A2281863	Black	Roofing Material	None Detected
KR3		A2281864	Black	Roofing Material	None Detected
KR4		A2281865	Black	Roofing Material	None Detected
KRF-1	Layer 1	A2281866	Silver	Roofing Material	Chrysotile 2%
	Layer 2	A2281866	Black	Roofing Material	None Detected
KRF-2		A2281867		Sample Not Analyzed per COC	
KRA-1	Layer 1	A2281868	Black	Roofing Material	None Detected
	Layer 2	A2281868	Black	Roofing Material	Chrysotile 10%
KRA-2		A2281869		Sample Not Analyzed per COC	
KRF-A1		A2281870	Off-white,Black	Roofing Material	None Detected
KRF-A2		A2281871	Off-white,Black	Roofing Material	None Detected
EI-1		A2281872	Beige,Tan	Insulation	Chrysotile 2%
EI-2		A2281873		Sample Not Analyzed per COC	
EI-3		A2281874		Sample Not Analyzed per COC	
HD-1	Layer 1	A2283468	Off-white	Drywall	None Detected
	Layer 2	A2283468	Beige	Joint Compound	Chrysotile 2%
HD-2		A2283469		Sample Not Analyzed per COC	
HD-3		A2283470		Sample Not Analyzed per COC	
HD-4		A2283471		Sample Not Analyzed per COC	
AR-1		A2283472	Black	Roofing Material	None Detected
AR-2		A2283473	Black	Roofing Material	None Detected





## Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** Perry and Derrick; 340.008.17

**CEI LAB CODE:** A16-10438

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**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
HE-1		A2283474	Off-white	Pipe Elbow Wrap	Chrysotile 35%



# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** SRW Environmental Services  
320 S. Wayne Avenue  
Cincinnati, OH 45215

**CEI Lab Code:** A16-10438  
**Date Received:** 12-12-16  
**Date Analyzed:** 12-16-16  
**Date Reported:** 12-16-16

**Project:** Perry and Derrick; 340.008.17

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
HW-1 A2281788	Wire Insulation	Heterogeneous Black Fibrous Bound	20%	Hair	80%	Binder	None Detected
HW-2 A2281789	Wire Insulation	Heterogeneous Black Fibrous Bound	20%	Hair	80%	Binder	None Detected
HF-1 A2281790	Flooring Felt	Heterogeneous Black Fibrous Bound	75%	Cellulose	25%	Tar	None Detected
HF-2 A2281791	Flooring Felt	Heterogeneous Black Fibrous Bound	75%	Cellulose	25%	Tar	None Detected
HDI-1 A2281792	Duct Insulation	Heterogeneous Black Fibrous Bound	75%	Fiberglass	25% <1%	Binder Non-Fibrous Debris	None Detected
HDI-2 A2281793	Duct Insulation	Heterogeneous Black Fibrous Bound	75%	Fiberglass	25% <1%	Binder Non-Fibrous Debris	None Detected
HDI-3 A2281794	Duct Insulation	Heterogeneous Black Fibrous Bound	75%	Fiberglass	25% <1%	Binder Non-Fibrous Debris	None Detected



# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** SRW Environmental Services  
320 S. Wayne Avenue  
Cincinnati, OH 45215

**CEI Lab Code:** A16-10438  
**Date Received:** 12-12-16  
**Date Analyzed:** 12-16-16  
**Date Reported:** 12-16-16

**Project:** Perry and Derrick; 340.008.17

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
HVG-1 A2281795	Vibration Gasket	Heterogeneous Tan,Beige Fibrous Bound	75%	Cellulose	20% 5%	Binder Paint	None Detected
HVG-2 A2281796	Vibration Gasket	Heterogeneous Tan,Beige Fibrous Bound	75%	Cellulose	20% 5%	Binder Paint	None Detected
HCM-1 A2281797	Carpet Mastic	Heterogeneous Yellow,Tan Fibrous Bound	<1% <1%	Cellulose Synthetic Fiber	90% 10% <1%	Mastic Binder Non-Fibrous Debris	None Detected
HCM-2 A2281798	Carpet Mastic	Heterogeneous Yellow,Tan Fibrous Bound	<1% <1%	Cellulose Synthetic Fiber	90% 10% <1%	Mastic Binder Non-Fibrous Debris	None Detected
HSTM-1 A2281799	Stairwell Tread	Heterogeneous Brown Fibrous Bound	3%	Cellulose	85% 10%	Vinyl Binder	2% Chrysotile
HSTM-2 A2281800	Sample Not Analyzed per COC						
HBRNFT-1 A2281801A	Floor Tile	Heterogeneous Black Fibrous Bound	<1%	Cellulose	77% 10% 10%	Vinyl Binder Silicates	3% Chrysotile
Layer 1 A2281801B	Mastic	Heterogeneous Black Fibrous Bound	<1%	Cellulose	100% <1%	Mastic Non-Fibrous Debris	None Detected



# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** SRW Environmental Services  
320 S. Wayne Avenue  
Cincinnati, OH 45215

**CEI Lab Code:** A16-10438  
**Date Received:** 12-12-16  
**Date Analyzed:** 12-16-16  
**Date Reported:** 12-16-16

**Project:** Perry and Derrick; 340.008.17

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 A2281801B	Felt Paper	Heterogeneous Brown Fibrous Bound	90%	Cellulose	10% <1%	Binder Non-Fibrous Debris	None Detected
<b>HBRNFT-2</b> A2281802A	Sample Not Analyzed per COC						
Layer 1 A2281802B	Mastic	Heterogeneous Black Fibrous Bound	<1%	Cellulose	100% <1%	Mastic Non-Fibrous Debris	None Detected
Layer 2 A2281802B	Felt Paper	Heterogeneous Brown Fibrous Bound	90%	Cellulose	10% <1%	Binder Non-Fibrous Debris	None Detected
A2281802C	Flooring	Heterogeneous Brown Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
<b>HPM-1</b> A2281803	Puck Mastic	Heterogeneous Tan Fibrous Bound	5%	Cellulose	85% 10%	Mastic Binder	None Detected
<b>HPM-2</b> A2281804	Puck Mastic	Heterogeneous Tan Fibrous Bound	5%	Cellulose	85% 10%	Mastic Binder	None Detected
<b>HCT-1</b> A2281805	Ceiling Tile	Heterogeneous Tan Fibrous Bound	95%	Cellulose	5% <1%	Binder Paint	None Detected



# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** SRW Environmental Services  
320 S. Wayne Avenue  
Cincinnati, OH 45215

**CEI Lab Code:** A16-10438  
**Date Received:** 12-12-16  
**Date Analyzed:** 12-16-16  
**Date Reported:** 12-16-16

**Project:** Perry and Derrick; 340.008.17

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
HCT-2 A2281806	Ceiling Tile	Heterogeneous Tan Fibrous Bound	95%	Cellulose	5% <1%	Binder Paint	None Detected
HCB-1 A2281807A	Covebase	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	90% 10%	Vinyl Binder	None Detected
A2281807B	Mastic	Heterogeneous Beige Fibrous Bound	<1%	Cellulose	90% 10% <1%	Mastic Binder Non-Fibrous Debris	None Detected
HCB-2 A2281808A	Covebase	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	90% 10%	Vinyl Binder	None Detected
A2281808B	Mastic	Heterogeneous Beige Fibrous Bound	<1%	Cellulose	90% 10% <1%	Mastic Binder Non-Fibrous Debris	None Detected
HI-1 A2281809	Insulation	Heterogeneous Off-white Fibrous Bound	10%	Cellulose	25%	Binder	65% Chrysotile
HI-2 A2281810	Sample Not Analyzed per COC						
HI-3 A2281811	Sample Not Analyzed per COC						



# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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320 S. Wayne Avenue  
Cincinnati, OH 45215

**CEI Lab Code:** A16-10438  
**Date Received:** 12-12-16  
**Date Analyzed:** 12-16-16  
**Date Reported:** 12-16-16

**Project:** Perry and Derrick; 340.008.17

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
3KFT-1 A2281812A	Floor Tile	Heterogeneous	<1%	Cellulose	85%	Vinyl	None Detected
		Gray			10%	Binder	
		Fibrous			5%	Silicates	
		Bound					
A2281812B	Mastic	Heterogeneous	<1%	Cellulose	90%	Mastic	None Detected
		Tan			10%	Binder	
		Fibrous			<1%	Non-Fibrous	
		Bound				Debris	
3KFT-2 A2281813A	Floor Tile	Heterogeneous	<1%	Cellulose	85%	Vinyl	None Detected
		Gray			10%	Binder	
		Fibrous			5%	Silicates	
		Bound					
A2281813B	Mastic	Heterogeneous	<1%	Cellulose	90%	Mastic	None Detected
		Tan			10%	Binder	
		Fibrous			<1%	Non-Fibrous	
		Bound				Debris	
KBFT-1 A2281814A	Floor Tile	Heterogeneous	<1%	Cellulose	80%	Vinyl	None Detected
		Brown			10%	Binder	
		Fibrous			10%	Silicates	
		Bound					
A2281814B	Mastic	Heterogeneous	<1%	Cellulose	100%	Mastic	None Detected
		Clear			<1%	Non-Fibrous	
		Fibrous				Debris	
		Bound					
A2281814C	Floor Tile	Heterogeneous	<1%	Cellulose	80%	Vinyl	None Detected
		Beige			10%	Binder	
		Fibrous			10%	Silicates	
		Bound					



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			Fibrous		Non-Fibrous		
A2281814D	Mastic	Heterogeneous Black Fibrous Bound	<1%	Cellulose	100% <1%	Mastic Non-Fibrous Debris	None Detected
<b>KBFT-2</b> A2281815A	Floor Tile	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	80% 10% 10%	Vinyl Binder Silicates	None Detected
A2281815B	Mastic	Heterogeneous Clear Fibrous Bound	<1%	Cellulose	100% <1%	Mastic Non-Fibrous Debris	None Detected
A2281815C	Floor Tile	Heterogeneous Beige Fibrous Bound	<1%	Cellulose	80% 10% 10%	Vinyl Binder Silicates	None Detected
A2281815D	Mastic	Heterogeneous Black Fibrous Bound	<1%	Cellulose	100% <1%	Mastic Non-Fibrous Debris	None Detected
<b>KCT-1</b> A2281816	Ceiling Tile	Heterogeneous White Fibrous Bound	60% 15%	Cellulose Fiberglass	5% 15% 5%	Binder Perlite Paint	None Detected
<b>KCT-2</b> A2281817	Ceiling Tile	Heterogeneous White Fibrous Bound	60% 15%	Cellulose Fiberglass	5% 15% 5%	Binder Perlite Paint	None Detected



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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
AWG-1 A2281818	Window Glazing	Heterogeneous Gray,Brown Fibrous Bound	<1%	Cellulose	85% 10% 5%	Calc Carb Binder Paint	None Detected
AWG-2 A2281819	Window Glazing	Heterogeneous Gray,Brown Fibrous Bound	<1%	Cellulose	85% 10% 5%	Calc Carb Binder Paint	None Detected
AT-1 A2281820	Transite	Heterogeneous Gray Fibrous Tightly Bound			75% 10% <1%	Binder Silicates Paint	10% Chrysotile 5% Crocidolite
AT-2 A2281821	Sample Not Analyzed per COC						
BD-1 A2281822	Drywall	Heterogeneous White,Beige Fibrous Bound	15%	Cellulose	75% 10% <1%	Gypsum Silicates Paint	None Detected
BD-2 Layer 1 A2281823	Drywall	Heterogeneous White Fibrous Bound	15%	Cellulose	75% 10%	Gypsum Silicates	None Detected
Layer 2 A2281823	Joint Compound	Heterogeneous Off-white Fibrous Bound	5% <1%	Fiberglass Cellulose	80% 10% 5%	Calc Carb Binder Paint	None Detected
BCB-1 A2281824A	Covebase	Heterogeneous Black Fibrous Bound	<1%	Cellulose	90% 10%	Vinyl Binder	None Detected





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Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
A2281824B	Mastic	Heterogeneous Tan Fibrous Bound	<1% <1%	Cellulose Talc	90% 10%	Mastic Binder	None Detected
<b>BCB-2</b> A2281825A	Covebase	Heterogeneous Black Fibrous Bound	<1%	Cellulose	90% 10%	Vinyl Binder	None Detected
A2281825B	Mastic	Heterogeneous Tan Fibrous Bound	<1% <1%	Cellulose Talc	90% 10%	Mastic Binder	None Detected
<b>BFT-1</b> A2281826A	Floor Tile	Heterogeneous Off-white Fibrous Bound	<1%	Cellulose	80% 10% 10%	Vinyl Binder Silicates	None Detected
A2281826B	Mastic	Heterogeneous Black Fibrous Bound	<1%	Cellulose	100% <1%	Mastic Non-Fibrous Debris	None Detected
<b>BFT-2</b> A2281827A	Floor Tile	Heterogeneous Off-white Fibrous Bound	<1%	Cellulose	80% 10% 10%	Vinyl Binder Silicates	None Detected
A2281827B	Mastic	Heterogeneous Black Fibrous Bound	<1%	Cellulose	100% <1%	Mastic Non-Fibrous Debris	None Detected



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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EG-1 A2281828	Rope Gasket	Heterogeneous Black,Tan Fibrous Bound	85%	Cellulose	15%	Tar	None Detected
EG-2 A2281829	Rope Gasket	Heterogeneous Black,Tan Fibrous Bound	85%	Cellulose	15%	Tar	None Detected
KED-1 A2281830	Duct Insulation	Heterogeneous White Fibrous Bound	10%	Cellulose	25%	Binder	65% Chrysotile
KED-2 A2281831	Sample Not Analyzed per COC						
KED-3 A2281832	Sample Not Analyzed per COC						
ODI-1 A2281833	Duct Insulation	Heterogeneous White Fibrous Bound	10%	Cellulose	25%	Binder	65% Chrysotile
ODI-2 A2281834	Sample Not Analyzed per COC						
ODI-3 A2281835	Sample Not Analyzed per COC						
CAG-1 A2281836	Window Glazing	Heterogeneous Red Fibrous Bound	<1%	Cellulose	85% 10% 5%	Calc Carb Binder Paint	None Detected



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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
CAG-2 A2281837	Window Glazing	Heterogeneous	<1%	Cellulose	85%	Calc Carb	None Detected
		Red			10%	Binder	
		Fibrous			5%	Paint	
		Bound					
CFM-1 A2281838	Flooring Material	Heterogeneous	<1%	Cellulose	85%	Binder	None Detected
		Gray	<1%	Talc	15%	Silicates	
		Fibrous			<1%	Non-Fibrous	
		Bound				Debris	
CFM-2 A2281839	Flooring Material	Heterogeneous	<1%	Cellulose	85%	Binder	None Detected
		Gray	<1%	Talc	15%	Silicates	
		Fibrous			<1%	Non-Fibrous	
		Bound				Debris	
BR-1 A2281840	Roofing Material	Heterogeneous	5%	Cellulose	70%	Tar	15% Chrysotile
		Black			10%	Silicates	
		Fibrous					
		Bound					
BR-2 A2281841	Sample Not Analyzed per COC						
CR-1 Layer 1 A2281842	Roofing Material	Heterogeneous	15%	Fiberglass	60%	Tar	None Detected
		Black	20%	Cellulose	5%	Silicates	
		Fibrous					
		Bound					
Layer 2 A2281842	Roofing Material	Heterogeneous	25%	Cellulose	65%	Tar	5% Chrysotile
		Black			5%	Silicates	
		Fibrous					
		Bound					
CR-2 A2281843	Sample Not Analyzed per COC						



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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
DR-1 A2281844	Roofing Material	Heterogeneous Black Fibrous Bound	25%	Cellulose	70% 5%	Tar Silicates	None Detected
DR-2 A2281845	Roofing Material	Heterogeneous Black Fibrous Bound	25%	Cellulose	70% 5%	Tar Silicates	None Detected
ER-1 Layer 1 A2281846	Roofing Material	Heterogeneous Black Fibrous Bound	25%	Fiberglass	70% 5%	Tar Silicates	None Detected
Layer 2 A2281846	Roofing Material	Heterogeneous Black Fibrous Bound	5%	Cellulose	70% 10%	Tar Silicates	15% Chrysotile
ER-2 A2281847	Sample Not Analyzed per COC						
FR-1 A2281848	Roofing Material	Heterogeneous Black Fibrous Bound	25%	Cellulose	70% 5%	Tar Silicates	None Detected
FR-2 A2281849	Roofing Material	Heterogeneous Black Fibrous Bound	25%	Cellulose	70% 5%	Tar Silicates	None Detected
GR-1 Layer 1 A2281850	Roofing Material	Heterogeneous Black Fibrous Bound	15% 15%	Cellulose Fiberglass	65% 5%	Tar Silicates	None Detected



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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 A2281850	Roofing Material	Heterogeneous Black Fibrous Bound	20%	Cellulose	70% 5%	Tar Silicates	5% Chrysotile
GR-2 A2281851	Sample Not Analyzed per COC						
IR-1 Layer 1 A2281852	Roofing Material	Heterogeneous Silver Fibrous Bound	5%	Cellulose	70% 25%	Tar Paint	None Detected
Layer 2 A2281852	Roofing Material	Heterogeneous Black Fibrous Bound	15% 15%	Cellulose Fiberglass	65% 5%	Tar Silicates	None Detected
IR-2 Layer 1 A2281853	Roofing Material	Heterogeneous Silver Fibrous Bound	5%	Cellulose	70% 25%	Tar Paint	None Detected
Layer 2 A2281853	Roofing Material	Heterogeneous Black Fibrous Bound	15% 15%	Cellulose Fiberglass	65% 5%	Tar Silicates	None Detected
CRA-1 A2281854	Roofing Material	Heterogeneous Black Fibrous Bound	25%	Fiberglass	70% 5%	Tar Silicates	None Detected
CRA-2 A2281855	Roofing Material	Heterogeneous Black Fibrous Bound	25%	Fiberglass	70% 5%	Tar Silicates	None Detected



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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
DR1A A2281856	Roofing Material	Heterogeneous Black Fibrous Bound	25%	Cellulose	70% 5%	Tar Silicates	None Detected
DR2A A2281857	Roofing Material	Heterogeneous Black Fibrous Bound	25%	Cellulose	70% 5%	Tar Silicates	None Detected
DRF1A Layer 1 A2281858	Roofing Material	Heterogeneous Gray Fibrous Bound	5%	Cellulose	80% 5%	Tar Silicates	10% Chrysotile
Layer 2 A2281858	Roofing Material	Heterogeneous Black Fibrous Bound	15%	Cellulose	80% 5%	Tar Silicates	None Detected
DRF2A A2281859	Sample Not Analyzed per COC						
ER1A Layer 1 A2281860	Roofing Material	Heterogeneous Gray Fibrous Bound	5%	Cellulose	80% 5%	Tar Silicates	10% Chrysotile
Layer 2 A2281860	Roofing Material	Heterogeneous Black Fibrous Bound	15%	Cellulose	80% 5%	Tar Silicates	None Detected
ER2A A2281861	Sample Not Analyzed per COC						



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Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>KR1</b> A2281862	Roofing Material	Heterogeneous Black Fibrous Bound	25%	Cellulose	70% 5%	Tar Silicates	None Detected
<b>KR2</b> A2281863	Roofing Material	Heterogeneous Black Fibrous Bound	25%	Cellulose	70% 5%	Tar Silicates	None Detected
<b>KR3</b> A2281864	Roofing Material	Heterogeneous Black Fibrous Bound	25%	Cellulose	70% 5%	Tar Silicates	None Detected
<b>KR4</b> A2281865	Roofing Material	Heterogeneous Black Fibrous Bound	25%	Cellulose	70% 5%	Tar Silicates	None Detected
<b>KRF-1</b> Layer 1 A2281866	Roofing Material	Heterogeneous Silver Fibrous Bound	3%	Cellulose	70% 25%	Tar Paint	2% Chrysotile
Layer 2 A2281866	Roofing Material	Heterogeneous Black Fibrous Bound	5%	Cellulose	80% 15%	Tar Binder	None Detected
<b>KRF-2</b> A2281867	Sample Not Analyzed per COC						
<b>KRA-1</b> Layer 1 A2281868	Roofing Material	Heterogeneous Black Fibrous Bound	15%	Cellulose	80% 5%	Tar Silicates	None Detected



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Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 A2281868	Roofing Material	Heterogeneous Black Fibrous Bound	10%	Cellulose	75% 5%	Tar Silicates	10% Chrysotile
KRA-2 A2281869	Sample Not Analyzed per COC						
KRF-A1 A2281870	Roofing Material	Heterogeneous Off-white,Black Fibrous Bound	15%	Cellulose	70% 10% 5%	Tar Binder Paint	None Detected
KRF-A2 A2281871	Roofing Material	Heterogeneous Off-white,Black Fibrous Bound	15%	Cellulose	70% 10% 5%	Tar Binder Paint	None Detected
EI-1 A2281872	Insulation	Heterogeneous Beige,Tan Fibrous Bound	73%	Cellulose	20% 5%	Binder Paint	2% Chrysotile
EI-2 A2281873	Sample Not Analyzed per COC						
EI-3 A2281874	Sample Not Analyzed per COC						
HD-1 Layer 1 A2283468	Drywall	Heterogeneous Off-white Fibrous Bound	15%	Cellulose	75% 10%	Gypsum Silicates	None Detected
Layer 2 A2283468	Joint Compound	Heterogeneous Beige Fibrous Bound	<1%	Cellulose	85% 10% 3%	Calc Carb Binder Paint	2% Chrysotile





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			Fibrous		Non-Fibrous		
HD-2 A2283469	Sample Not Analyzed per COC						
HD-3 A2283470	Sample Not Analyzed per COC						
HD-4 A2283471	Sample Not Analyzed per COC						
AR-1 A2283472	Roofing Material	Heterogeneous	10%	Cellulose	70%	Tar	None Detected
		Black			10%	Foam	
		Fibrous			10%	Gravel	
		Bound					
AR-2 A2283473	Roofing Material	Heterogeneous	10%	Cellulose	70%	Tar	None Detected
		Black			10%	Foam	
		Fibrous			10%	Gravel	
		Bound					
HE-1 A2283474	Pipe Elbow Wrap	Heterogeneous	5%	Cellulose	60%	Binder	35% Chrysotile
		Off-white			<1%	Paint	
		Fibrous					
		Loosely Bound					



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**LEGEND:**      Non-Anth      = Non-Asbestiform Anthophyllite  
                 Non-Trem      = Non-Asbestiform Tremolite  
                 Calc Carb      = Calcium Carbonate

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**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

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**LIMIT OF DETECTION:** <1% by visual estimation

---

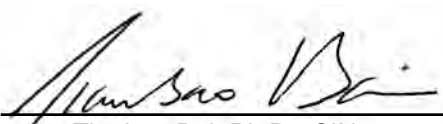
**REGULATORY LIMIT:** >1% by weight

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Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation.

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**ANALYST:**   
Daniel Liguori

**APPROVED BY:**   
Tianbao Bai, Ph.D., CIH  
Laboratory Director





730 SE Maynard Road, Cary, NC 27511  
Tel: 866-481-1412; Fax: 919-481-1442

# ASBESTOS CHAIN OF CUSTODY

LAB USE ONLY:

CEI Lab Code:

CEI Lab I.D. Range:

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: <i>Paul Cordy</i>
Company: <i>SRW</i>	Email / Tel: <i>(913) 576-0000</i>
Address: <i>320 S. Wayne</i>	Project Name: <i>Perry &amp; Derrick</i>
<i>City of H. US215</i>	Project ID#: <i>340.008.17</i>
Email: <i>PCordy@SRWEnvironmental.com</i>	PO #:
Tel: <i>(913) 576-0000</i> Fax:	STATE SAMPLES COLLECTED IN: <i>OH</i>

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES. *Q*

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:

*STOP at first positive*



Accept Samples



Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
<i>[Signature]</i>	<i>12/13/16 9:13 AM</i>	<i>AR</i>	<i>12/14/16</i>
			<i>9:40</i>

Samples will be disposed of 30 days after analysis

Page \_\_\_\_\_ of \_\_\_\_\_



730 SE Maynard Road, Cary, NC 27511  
Tel: 866-481-1412; Fax: 919-481-1442

ASBESTOS CHAIN OF CUSTODY

LAB USE ONLY:

CEI Lab Code:

CEI Lab I.D. Range:

COMPANY INFORMATION		PROJECT INFORMATION	
CEI CLIENT #:		Job Contact:	Paul Cordy
Company:	SRW	Email / Tel:	Pcordy@SRWEnvironment.com
Address:	320 S. Wayne Ave Cinti OH. 45215	Project Name:	Perry + Derrick
Email:		Project ID#:	340.008.17
Tel:	(513) 576-0009	PO #:	
Fax:		STATE SAMPLES COLLECTED IN:	OH

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:

STOP at first Positive



Accept Samples



Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Paul Cordy	12/07/16 1300	AC	12/12/16 9:00

Samples will be disposed of 30 days after analysis

Page \_\_\_\_ of \_\_\_\_

2 bags  
with samples



# ASBESTOS SAMPLING FORM

A16-10,438



## COMPANY CONTACT INFORMATION

Company: <u>SRW</u>	Job Contact: <u>Paul Cordy</u>
Project Name: <u>Perry + Derrick</u>	
Project ID #: <u>340.008.17</u>	Tel: <u>(313) 576-0009</u>

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
HW-1	Wire Insulation	1A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HW-2	↓	1A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HF-1	Flooring felt	2A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HF-2	↓	2A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HDI-1	Duct Insulation	3A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HDI-2	↓	3A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HDI-3	↓	3A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HVG-1	Vibration Gasket	4A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HVG-2	↓	4A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
Hcm-1	Carpet mastic	5A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
Hcm-2	↓	5A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
Hstm-1	Stairwell Tread	6A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
Hstm-2	↓	6A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HD-1	Drywall	7A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HD-2	↓	7A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HD-3	Drywall	8A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HD-4	↓	8A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HBRNF+1	Floor Tile	9A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HBRNF+2	↓	9A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HPM-1	Puck mastic	10A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HPM-2	↓	10A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HCT-1	Ceiling Tile	11A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HCT-2	↓	11A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HCB-1	Cove Base	12A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HCB-2	↓	12A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HI-1	Insulation	13A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HI-2	↓	13A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
HI-3	↓	13A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>

Page 1 of 4

# ASBESTOS SAMPLING FORM

A16-10.438



## COMPANY CONTACT INFORMATION

Company:	Job Contact: <u>Paul Cordy</u>
Project Name:	
Project ID #: <u>340-008117</u>	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
3KF+-1	Floor Tile	14A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
3KF+-2	↓	14A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
KBF+-1	Floor Tile	15A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
KBF+-2	↓	15A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
KCT+-1	Ceiling Tile	16A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
KCT+-2	↓	16A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
AWG+-1	Window Glazing	17A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
AWG+-2	↓	17A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
AT-1	Transite	18A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
AT-2	↓	18A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
BD-1	Drywall	19A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
BD-2	↓	19A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
BCB-1	Cove Base	20A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
BCB-2	↓	20A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
BF+-1	Floor Tile	21A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
BF+-2	↓	21A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
EG-1	Rope Gasket	22A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
EG-2	↓	22A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
KED-1	Duct Insulation	23A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
KED-2	↓	23A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
KED-3	↓	23A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
ODI-1	Duct Insulation	24A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
ODI-2	↓	24A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
ODI-3	↓	24A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
CAG-1	Window Glazing	25A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
CAG-2	↓	25A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
CFM-1	Flooring material	26A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
CFM-2	↓	26A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>

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# ASBESTOS SAMPLING FORM

ALG-10,438



## COMPANY CONTACT INFORMATION

Company:	Job Contact: <u>Paul Cordy</u>
Project Name:	
Project ID #: <u>340-008.17</u>	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
AR-1	Roofing material	27A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
AR-2	↓	27A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
BR-1	Roofing material	28A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
BR-2	↓	28A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
CR-1	Roofing material	29A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
CR-2	↓	29A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
DR-1	Roofing material	30A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
DR-2	↓	30A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
ER-1	Roofing material	31A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
ER-2	↓	31A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
FR-1	Roofing material	32A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
FR-2	↓	32A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
GR-1	Roofing material	33A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
GR-2	↓	33A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
IR-1	Roofing material	34A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
IR-2	↓	34A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
CRA-1	Roofing material	35A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
CRA-2	↓	35A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
DR1A	Roofing material	36A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
DR2A	↓	36A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
DRF1A	Roofing material	37A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
DRF2A	↓	37A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
ER1A	Roofing material	38A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
ER2A	↓	38A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
KR1A	Roofing material	39A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
KR2	↓	39A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
KR3	↓	39A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
KR4	↓	39A	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>

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A16-101438



Company:	Job Contact: Paul Conley
Project Name:	
Project ID #: 340-008.17	Tel:

[illegible]

Page 4 of 4





Company: SRW Environment TEK	Job Contact: Paul Cordy
Project Name: Perry + Derrick	
Project ID #: 340-008117	Tel: (513) 516-0009

Page \_\_\_\_\_ of \_\_\_\_\_

From: Dawn Smith  
Sent: Tue, Dec 13, 2016 at 9:52 am  
To: CEI Labs, Inc.  
Cc: Carly Johnson (carly@ceilabs.com), Paul Cordy

After discussions with Alisa and CEI yesterday, CEI was unable to locate 6 samples that were submitted with the project below. Additional sampling was conducted and we will be submitting these samples to CEI (arriving tomorrow). Please include these new samples with the final report below.

Additional Samples:  
D-1 through D-4  
AR-1 & AR-2

Will also be adding an additional sample (PE-1).

Please call with any questions!  
Thank you,  
Dawn

Dawn Smith  
Administrative Assistant  
[dsmith@srwenvironmental.com](mailto:dsmith@srwenvironmental.com)  
Tel: 513-576-0009 ext. 203  
Fax: 513-576-9756  
[www.srwenvironmental.com](http://www.srwenvironmental.com)

**SRW Environmental Services, Inc**  
320 S. Wayne Avenue · Cincinnati, Ohio 45215

NOTICE: The information contained in this electronic mail transmission is intended by SRW Environmental Services, Inc. for the use of the named individual or entity to which it is directed and may contain information that is privileged or otherwise confidential. It is not intended for transmission to, or receipt by, anyone other than the named addressee (or a person authorized to deliver it to the named addressee). It should not be copied or forwarded to any unauthorized persons. If you have received this electronic mail transmission in error, please delete it from your system without copying or forwarding it, and notify the sender of the error by reply email or by calling SRW Environmental Services, Inc. at (513) 576-0009 or (800) 577-8447, so that our address record can be corrected.

**From:** CEI Labs, Inc. [mailto:asbestos@ceilabs.com]  
**Sent:** Monday, December 12, 2016 11:45 AM  
**To:** Dawn Smith <DSmith@srwenvironmental.com>; Brian Keplinger <brian@srwenvironmental.com>; Paul Cordy <PCordy@srwenvironmental.com>  
**Subject:** Your samples have been received and logged as Project Perry and Derrick; 340.008.17

Dear Customer,

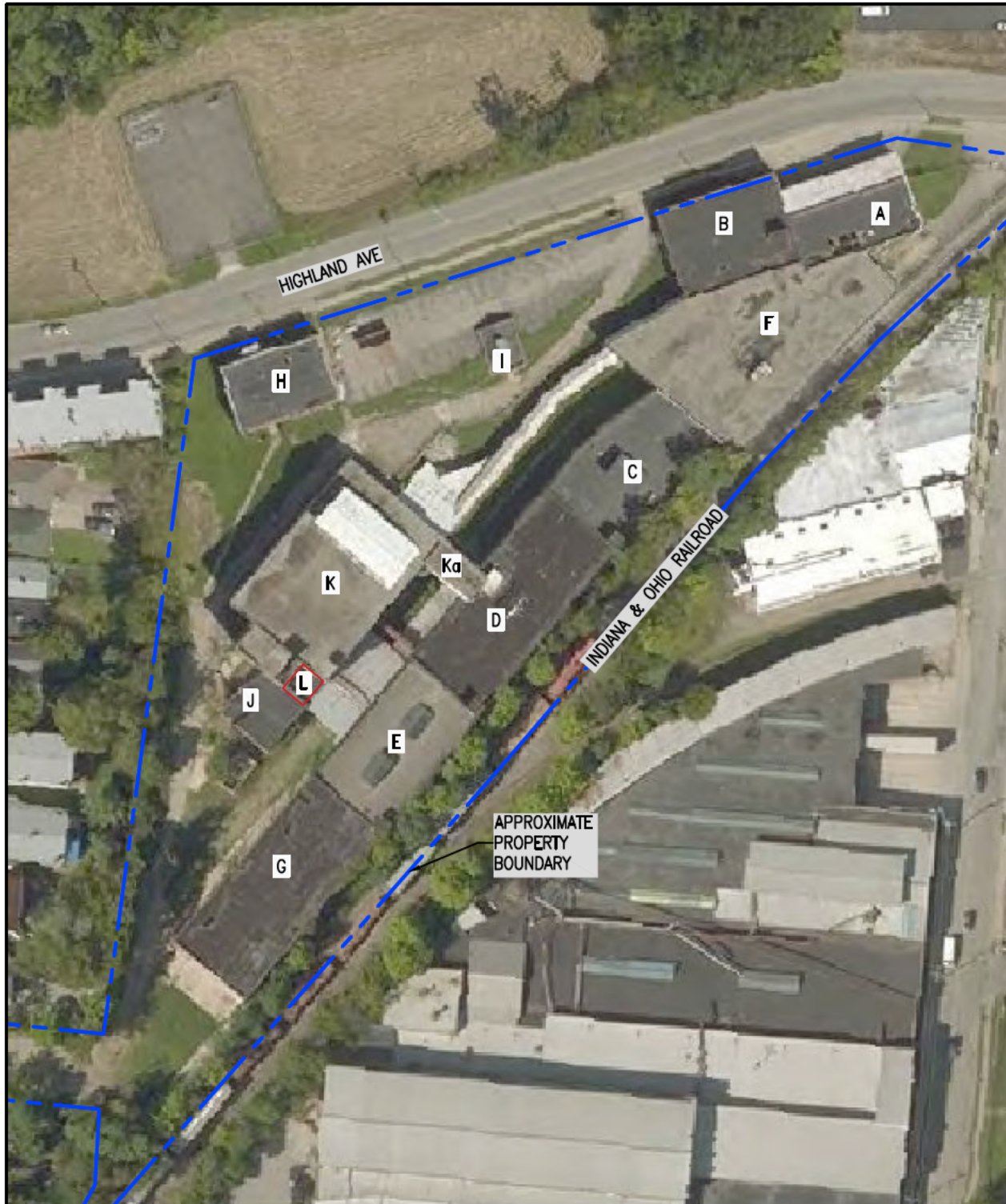
CEI LABS HAS MOVED!

## **ATTACHMENT 4**

### ***Building Location Drawings***







50' 25' 0 100'  
SCALE IN FEET



**BUILDING LOCATIONS  
FORMER PERRY & DERRICK FACILITY  
2511 HIGHLAND AVENUE  
NORWOOD, HAMILTON COUNTY, OHIO**



320 S. WAYNE AVENUE  
CINCINNATI, OHIO 45215  
TELE: 513-576-0009  
FAX: 513-576-9756

DRAWN BY/CHECKED BY: <b>DMS/PAC</b>	SCALE: <b>1" = 100'</b>	PROJECT No.: <b>340.008.17</b>
DIR\FILE: <b>340.008\FIGURE1.DWG</b>	REVISION DATE: <b>12/19/16</b>	FIGURE No.: <b>1</b>





**BUILDING LOCATIONS (DETAILED)**  
**FORMER PERRY & DERRICK FACILITY**  
**2511 HIGHLAND AVENUE**  
**NORWOOD, HAMILTON COUNTY, OHIO**



320 S. WAYNE AVENUE  
 CINCINNATI, OHIO 45215  
 TELE: 513-576-0009  
 FAX: 513-576-9756

DRAWN BY/CHECKED BY:	SCALE:	PROJECT No.:
DMS/PAC	NOT TO SCALE	340.008.17
DIR\FILE:	REVISION DATE:	FIGURE No.:
340.008\FIGURE2.DWG	12/19/16	2



IMAGE FROM GOOGLE EARTH 3D

# **ATTACHMENT 5**

## ***Photographs***





